



SERVICE MANUAL

V/UHF MULTI BAND
ALL MODE TRANSCEIVER

IC-970A
IC-970E
IC-970H

INTRODUCTION

This service manual describes the latest information for the **IC-970A/E/H** V/UHF MULTIBAND ALL MODE TRANSCEIVER and covers the following versions.

| MODEL | VERSION NO. | VERSION | SYMBOL |
|---------|-------------|-----------|--------|
| IC-970A | # 05 | U.S.A. | USA |
| | # 07 | Australia | AUS |
| IC-970E | # 03 | Europe | EUR |
| | # 09 | Sweden | SWE |
| IC-970H | # 04 | Europe | EUR-H |
| | # 06 | U.S.A. | USA-H |
| | # 08 | Australia | AUS-H |
| | # 10 | Sweden | SWE-H |

DANGER

NEVER connect the transceiver to an AC outlet or to a DC power supply that uses more than 16 V. This will ruin the transceiver.

DO NOT expose the transceiver to rain, snow or any liquids

DO NOT reverse the polarities of the power supply when connecting the transceiver.

DO NOT apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front end.



ORDERING PARTS

Be sure to include the following four points when ordering replacement parts:

1. 10-digit order numbers
2. Component part number and name
3. Equipment model name and unit name
4. Quantity required

<SAMPLE ORDER>

1110001310 IC μ PC577HA IC-970A/E/H MAIN UNIT 5 pieces
8810004690 Screw BtR M4 \times 5 ZK BS IC-970A/E/H Top cover 10 pieces

Addresses are provided on the inside back cover for your convenience.

REPAIR NOTE

1. Make sure a problem is internal before disassembling the transceiver.
2. **DO NOT** open the transceiver until the transceiver is disconnected from its power source
3. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
4. **DO NOT** short any circuits or electronic parts. An insulated tuning tool **MUST** be used for all adjustments.
5. **DO NOT** keep power ON for a long time when the transceiver is defective.
6. **DO NOT** transmit power into a signal generator or a sweep generator.
7. **ALWAYS** connect a 40 dB~50 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
8. **READ** the instructions of test equipment thoroughly before connecting equipment to the transceiver.

TABLE OF CONTENTS

| | | | |
|----------------|----------|-----------------------------------------------|-------------------|
| SECTION | 1 | SPECIFICATIONS | 1 – 1 ~ 2 |
| SECTION | 2 | MECHANICAL PARTS AND DISASSEMBLY | 2 – 1 ~ 7 |
| | 2-1 | CHASSIS PARTS | 2 – 1 |
| | 2-2 | FRONT PARTS | 2 – 3 |
| | 2-3 | SW(A) AND SW(B) PARTS | 2 – 4 |
| | 2-4 | REAR PARTS | 2 – 5 |
| | 2-5 | TENKEY AND ACCESSORIES | 2 – 7 |
| SECTION | 3 | PARTS LIST | 3 – 1 ~ 32 |
| SECTION | 4 | ADJUSTMENT PROCEDURES | 4 – 1 ~ 23 |
| | 4-1 | PREPARATION BEFORE SERVICING | 4 – 1 |
| | 4-2 | PLL-A ADJUSTMENT | 4 – 2 |
| | 4-3 | PLL-B ADJUSTMENT | 4 – 4 |
| | 4-4 | RF-A ADJUSTMENT | 4 – 4 |
| | 4-5 | RECEIVER ADJUSTMENT | 4 – 6 |
| | 4-6 | TRANSMITTER ADJUSTMENT | 4 – 16 |
| SECTION | 5 | BOARD LAYOUTS | 5 – 1 ~ 12 |
| | 5-1 | SUBORDINATE FRONT UNITS | 5 – 1 |
| | 5-2 | LOGIC UNIT | 5 – 3 |
| | 5-3 | MAIN UNIT..... | 5 – 4 |
| | 5-4 | SUBORDINATE MAIN UNITS | 5 – 5 |
| | 5-5 | 144 AND 430 DDS UNITS | 5 – 6 |
| | 5-6 | PLL-A UNIT | 5 – 7 |
| | 5-7 | PLL-B UNIT | 5 – 8 |
| | 5-8 | RF-A AND RF-B UNITS | 5 – 9 |
| | 5-9 | OSC, OSC(B) AND CTRL UNITS | 5 – 10 |
| | 5-10 | JACK-A, JACK-B AND CONNECT UNITS | 5 – 10 |
| | 5-11 | 144 PA UNIT | 5 – 11 |
| | 5-12 | 430 PA UNIT | 5 – 12 |
| SECTION | 6 | VOLTAGE DIAGRAMS | 6 – 1 ~ 8 |

To upgrade quality, all electric or mechanical part and internal circuits are subject to change without notice or obligation.

SECTION 1 SPECIFICATIONS

■ GENERAL

• Frequency coverage

| MODEL | VERSION | 144 MHz band | 430 MHz band |
|-----------|-----------|------------------|-----------------|
| IC-970A/H | U.S.A. | 140.1~150.0 MHz* | 430.0~450.0 MHz |
| IC-970E/H | Europe | 144.0~146.0 MHz | 430.0~440.0 MHz |
| IC-970A/H | Australia | 144.0~148.0 MHz | 430.0~450.0 MHz |
| IC-970E/H | Sweden | 144.0~146.0 MHz | 432.0~438.0 MHz |

* Specifications guaranteed 143.8~148.2 MHz

• Mode

: SSB (A3J), F3 (FM), CW (A1)

• Tuning step increments

: SSB, CW 10 Hz

FM 5, 10, 12.5, 20, 25 or 100 kHz

All mode 1 kHz and 1 MHz quick dialing steps are available.

• Antenna impedance

: 50 Ω (unbalanced)

• Power supply requirement

: 13.8 V DC \pm 15 % (negative ground)

• Current drain (at 13.8 V DC)

: Transmit max. output 9.0 A (IC-970A/E)

16.0 A (IC-970H)

: Receive max. audio output 2.5 A (IC-970A/E/H)

: Receive squelched 2.0 A (IC-970A/E/H)

• Usable temperature range

: -10 °C ~ +60 °C (+14 °F ~ +140 °F)

• Frequency stability

: \pm 3 ppm (0 °C ~ +50 °C; +32 °F ~ +122 °F)

• Dimensions

: 425 (W) \times 149 (H) \times 406 (D) mm

16.7 (W) \times 5.9 (H) \times 16.0 (D) in

• Weight (without IC-PS35)

: IC-970A/E 14.5 kg (32.0 lb) IC-970H 15.0 kg (33.0 lb)

(with IC-PS35)

IC-970A/E 16.8 kg (37.0 lb) IC-970H 17.3 kg (38.0 lb)

■ TRANSMITTER

• Output power

| MODEL | 144 MHz band | | 430 MHz band | |
|-----------|------------------------------|--------|--------------|--------|
| | SSB, CW | FM | SSB, CW | FM |
| IC-970H | 5~35 W | 6~45 W | 5~30 W | 6~40 W |
| IC-970A/E | All band 3.5~25 W (All mode) | | | |

• Modulation system

: SSB Balanced modulation

: FM Variable reactance frequency modulation

• Max. frequency deviation

: \pm 5 kHz

• Spurious emissions

: Less than -60 dB

• Carrier suppression

: Less than -40 dB

• Unwanted sideband

: Less than -40 dB

• Microphone impedance

: 600 Ω

■ RECEIVER

- Receive system : 144 MHz band
SSB, CW Single-conversion superheterodyne
FM Double-conversion superheterodyne
- : 430 MHz band
SSB, CW Double-conversion superheterodyne
FM Triple-conversion superheterodyne

- Intermediate frequency :

| | | MAIN BAND | | SUB BAND | |
|--------------|-----|-----------|---------|----------|---------|
| | | SSB, FM | CW | SSB, FM | CW |
| 144 MHz band | 1st | 10.8500 | 10.8491 | 10.9500 | 10.9491 |
| | 2nd | 0.4550* | — | 0.4550* | — |
| 430 MHz band | 1st | 71.2500 | 71.2491 | 71.3500 | 71.3491 |
| | 2nd | 10.8500 | 10.8491 | 10.9500 | 10.9491 |
| | 3rd | 0.4550* | — | 0.4550* | — |

* FM mode only

Unit: MHz

- Sensitivity : SSB, CW Less than 0.11 μ V for 10 dB S/N
FM Less than 0.18 μ V for 12 dB SINAD
- Selectivity : SSB, CW More than 2.3 kHz/−6 dB
Less than 4.2 kHz/−60 dB
CW narrow (option) More than 500 Hz/−6 dB
Less than 1.3 kHz/−60 dB
FM More than 15 kHz/−6 dB
Less than 30 kHz/−60 dB
- Audio output power : 1.5 W with an 8 Ω load at 10 % distortion
- Audio output impedance : 8 Ω
- Squelch sensitivity : SSB, CW Less than 0.56 μ V
FM Less than 0.18 μ V
- RIT variable range : \pm 9.99 kHz
- Notch filter variable range : More than \pm 1.2 kHz
- Notch filter attenuation : More than 25 dB

All stated specifications are subject to change without notice or obligation.

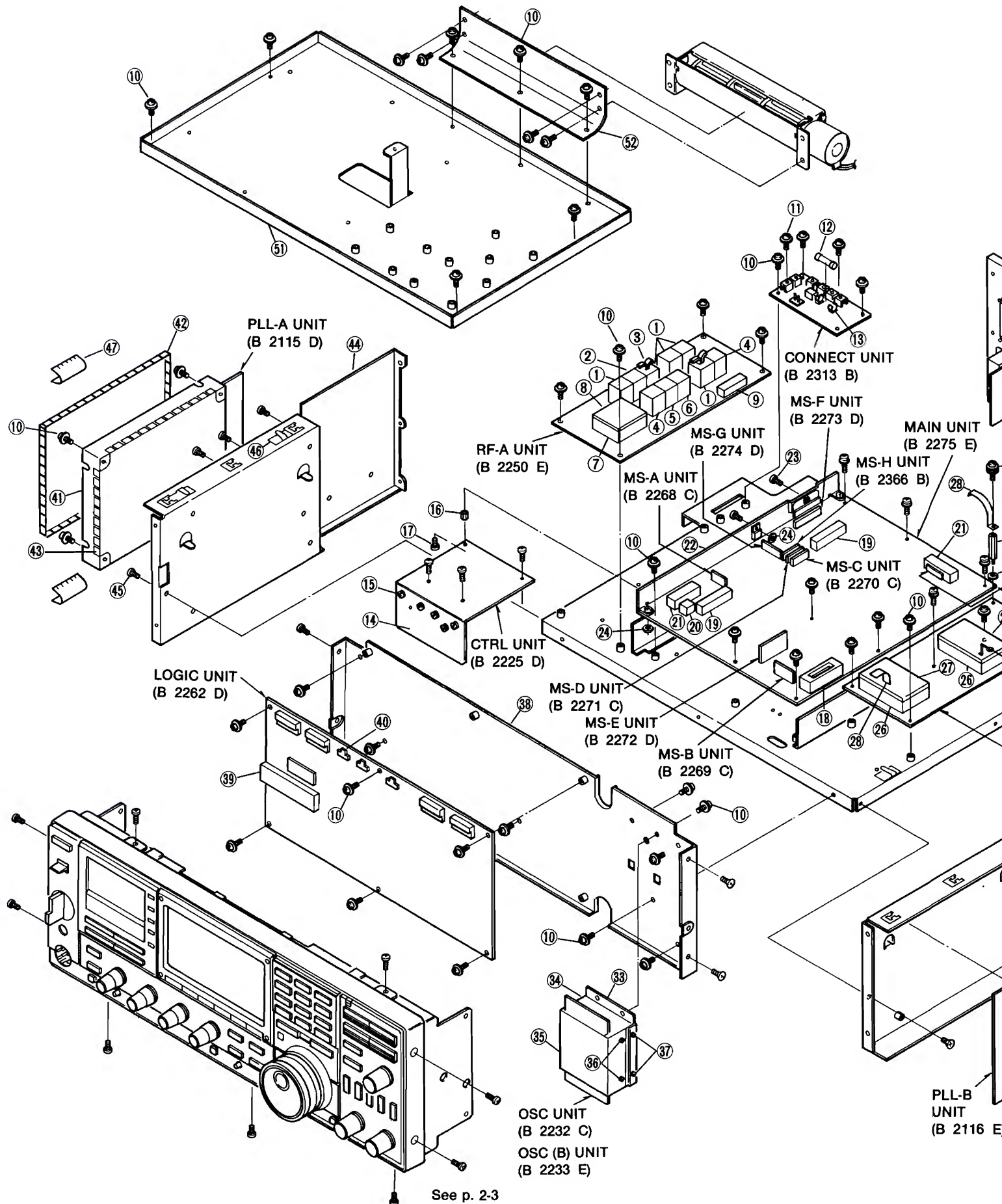
SECTION 2 MECHANICAL PARTS AND DISASSEMBLY

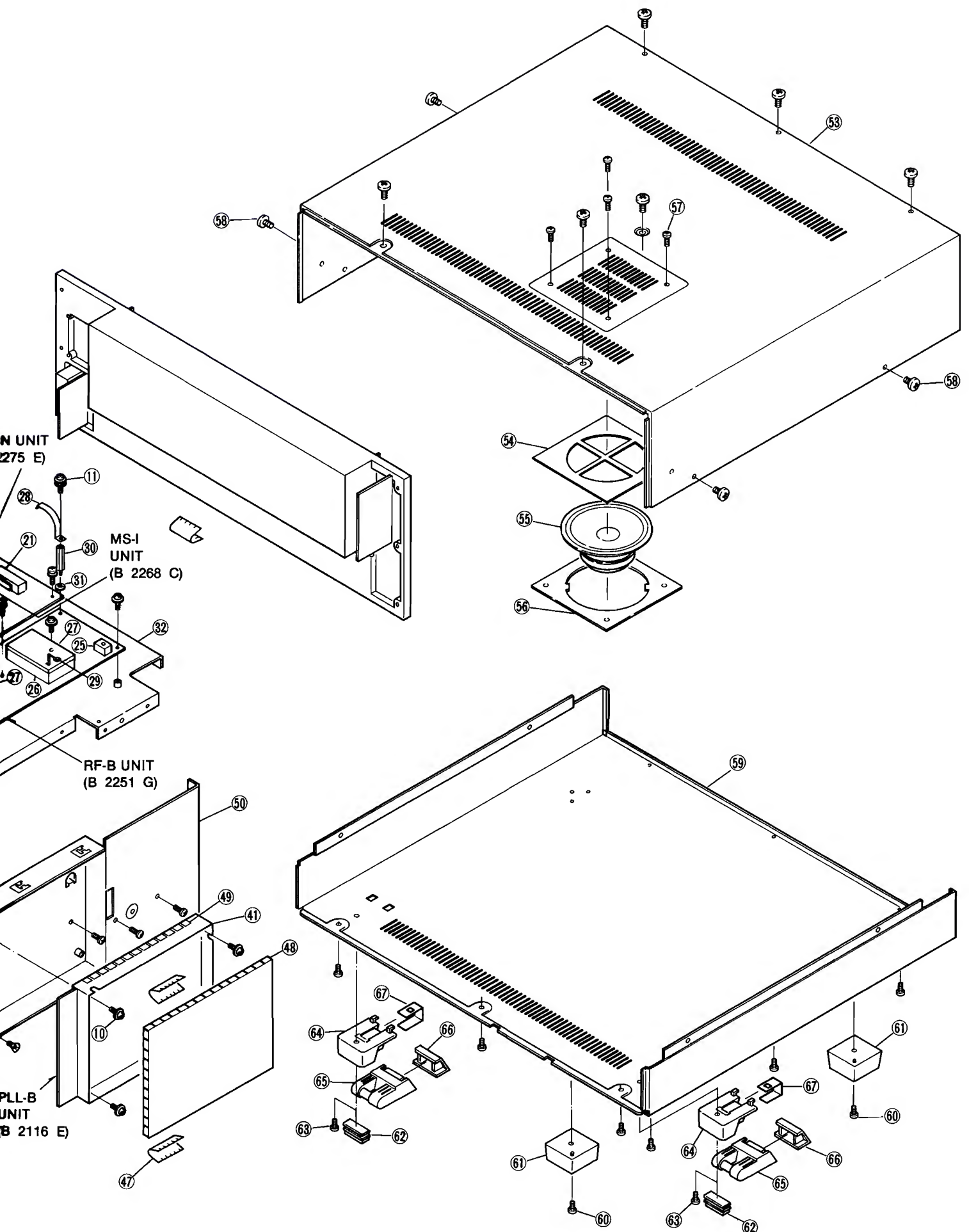
2-1 CHASSIS PARTS

| LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. | LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. |
|--------------|------------|-------------------------------------------------|------|--------------|------------|-----------------------------------------------|------|
| ① | 8510000100 | Helical case No. 5 | 5 | ③③ | 8110003650 | SWR case cover (C) | 1 |
| ② | 8510000110 | Helical case No. 6 | 1 | ③④ | 8510001430 | SWR case | 1 |
| ③ | 8930014140 | Grounding spring (D) | 3 | ③⑤ | 8510001560 | DET case cover | 1 |
| ④ | 8510000070 | Helical case No. 2 (EUR, EUR-H, SWE, SWE-H) | 2 | ③⑥ | 8810001820 | Motor screw M2.6×2.5 | 4 |
| | 8510000170 | Helical case No. 12 (USA, USA-H, AUS, AUS-H) | | ③⑦ | 8810001270 | Screw B1 M2.6×5 | 4 |
| ⑤ | 8510000110 | Helical case No. 6 (USA, USA-H, AUS, AUS-H) | 1 | ③⑧ | 8010009450 | 646 Front chassis | 1 |
| | 8510000160 | Helical case No. 11 (EUR, EUR-H, SWE, SWE-H) | | ③⑨ | 8930019270 | Sponge (CJ) | 1 |
| ⑥ | 8510000070 | Helical case No. 2 | 1 | ④① | 2220000420 | Switch ESD11H120 [Dial click], etc | 3 |
| ⑦ | 8510002690 | PA shield case (B) | 1 | ④② | 8510002922 | PLL case-4 | 2 |
| ⑧ | 8510004360 | PA shield case (B) cover (A) | 1 | ④③ | 8510005540 | PLL case top cover | 1 |
| ⑨ | 8510002390 | Mixer shield case | 1 | ④④ | 8510005550 | PLL case bottom cover | 1 |
| ⑩ | 8810003160 | Setscrew A M3×6 | 55 | ④⑤ | 8010009430 | 646 chassis (left side) | 1 |
| ⑪ | 8810003360 | Setscrew C M3×6 | 7 | ④⑥ | 8810002160 | Screw FH M3×5 | 8 |
| ⑫ | 5210000220 | Fuse FGMB 125V 3A | 1 | ④⑦ | 6910002560 | Wire sticker S-10-516L | 7 |
| ⑬ | 6510006070 | Fuse holder F-429 | 2 | ④⑧ | 8930008120 | Contact spring (A) | 5 |
| ⑭ | 8410001420 | 646 CTRL heatsink | 1 | ④⑨ | 8510006530 | PLL case top cover (B) | 1 |
| ⑮ | 8810003170 | Setscrew A M3×8 | 5 | ④⑩ | 8510006540 | PLL case bottom cover (A) | 1 |
| ⑯ | 8930006070 | Screw spacer-B | 4 | ⑤① | 8010009440 | 646 chassis (right side) | 1 |
| ⑰ | 8810003750 | Icom screw C 9 | 4 | ⑤② | 8010009490 | 646 PS chassis | 1 |
| ⑱ | 8510002200 | VCO case | 1 | ⑤③ | 8010009580 | 646 fan angle (EUR-H, USA-H, AUS-H, SWE-H) | 1 |
| ⑲ | 8510000230 | 220 shield case | 2 | ⑤④ | 8110003700 | 646 top cover | 1 |
| ⑳ | 8510000881 | 194 VCO case-1 | 1 | ⑤⑤ | 8930010091 | 77 Speaker spacer-1 | 1 |
| ㉑ | 8510001060 | Shield case | 2 | ⑤⑥ | 2510000410 | Speaker T080S0110810 | 1 |
| ㉒ | 8410001430 | 646 MAIN heatsink | 1 | ⑤⑦ | 8930010040 | 77 Speaker plate | 1 |
| ㉓ | 8810000240 | Screw PH M3×8 | 4 | ⑤⑧ | 8810005510 | Screw OH M3×6 ZK BS | 4 |
| ㉔ | 8830000100 | Nuts M3 | 4 | ⑤⑨ | 8810004690 | Screw BiH M4×5 ZK BS | 16 |
| ㉕ | 8510004430 | 194 shield case (B) | 1 | ⑤⑩ | 8110003710 | 646 bottom cover | 1 |
| ㉖ | 8510001080 | Shield case (A) | 2 | ⑥① | 8810000390 | Screw PH M4×12 | 2 |
| ㉗ | 8510001101 | Shield case (A) cover (A)-1 | 2 | ⑥② | 8930011680 | Rubber foot (G) | 2 |
| ㉘ | 8930004070 | Grounding spring (C) | 2 | ⑥③ | 8930011700 | Main stand rubber | 2 |
| ㉙ | 6910000690 | Lead lock 59TC4772 | 1 | ⑥④ | 8810000360 | Screw PH M4×6 | 2 |
| ㉚ | 8930000140 | Standoff (J) | 1 | ⑥⑤ | 8930011640 | Main stand | 2 |
| ㉛ | 8850000420 | Spring washer M3 NI | 1 | ⑥⑥ | 8930011630 | Sub stand | 2 |
| ㉜ | 8010009481 | 646 center chassis-1 | 1 | ⑥⑦ | 8930011690 | Sub stand rubber | 2 |
| | | | | ⑥⑧ | 8930011770 | Stand spring | 2 |

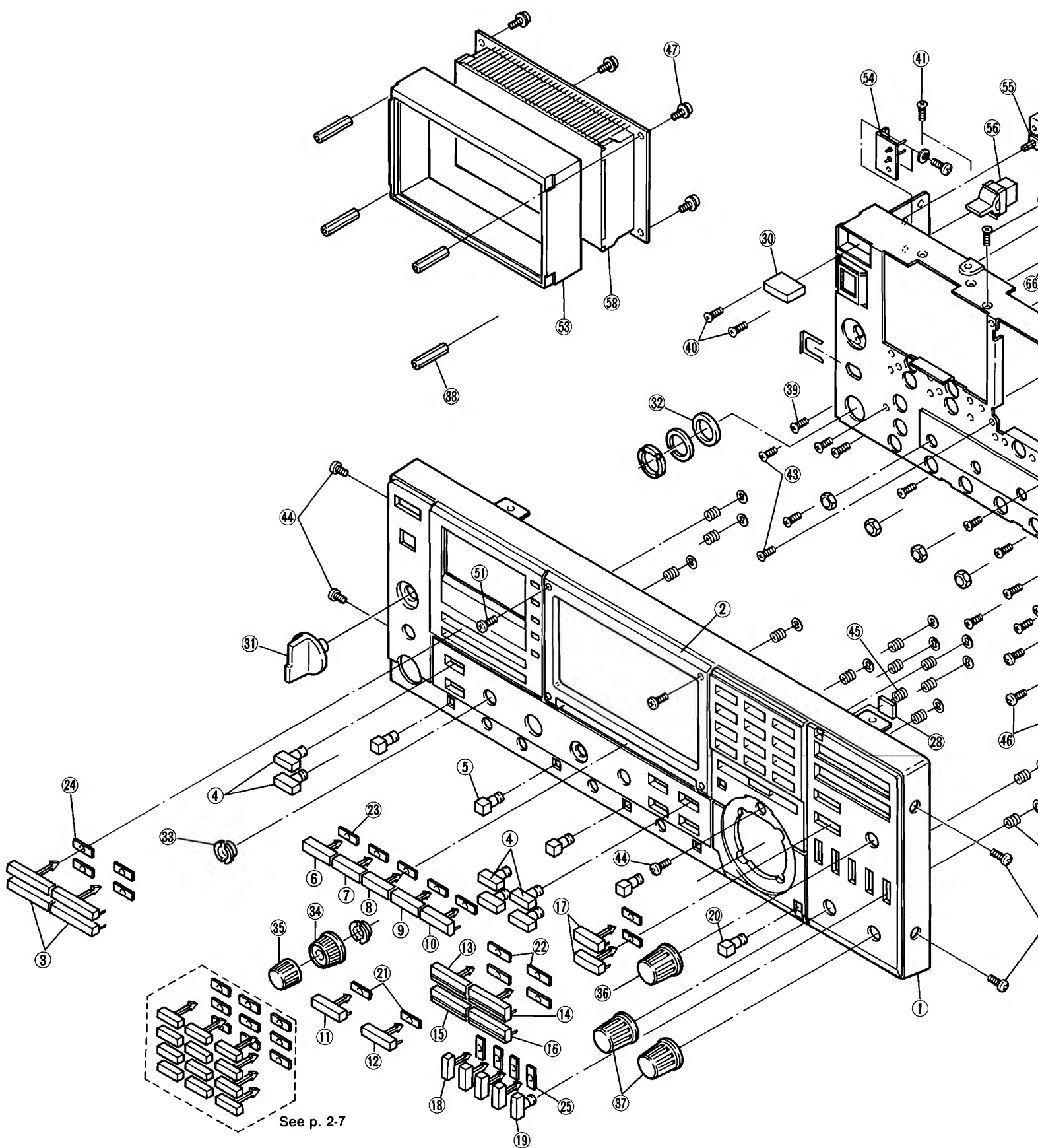
Screw abbreviations

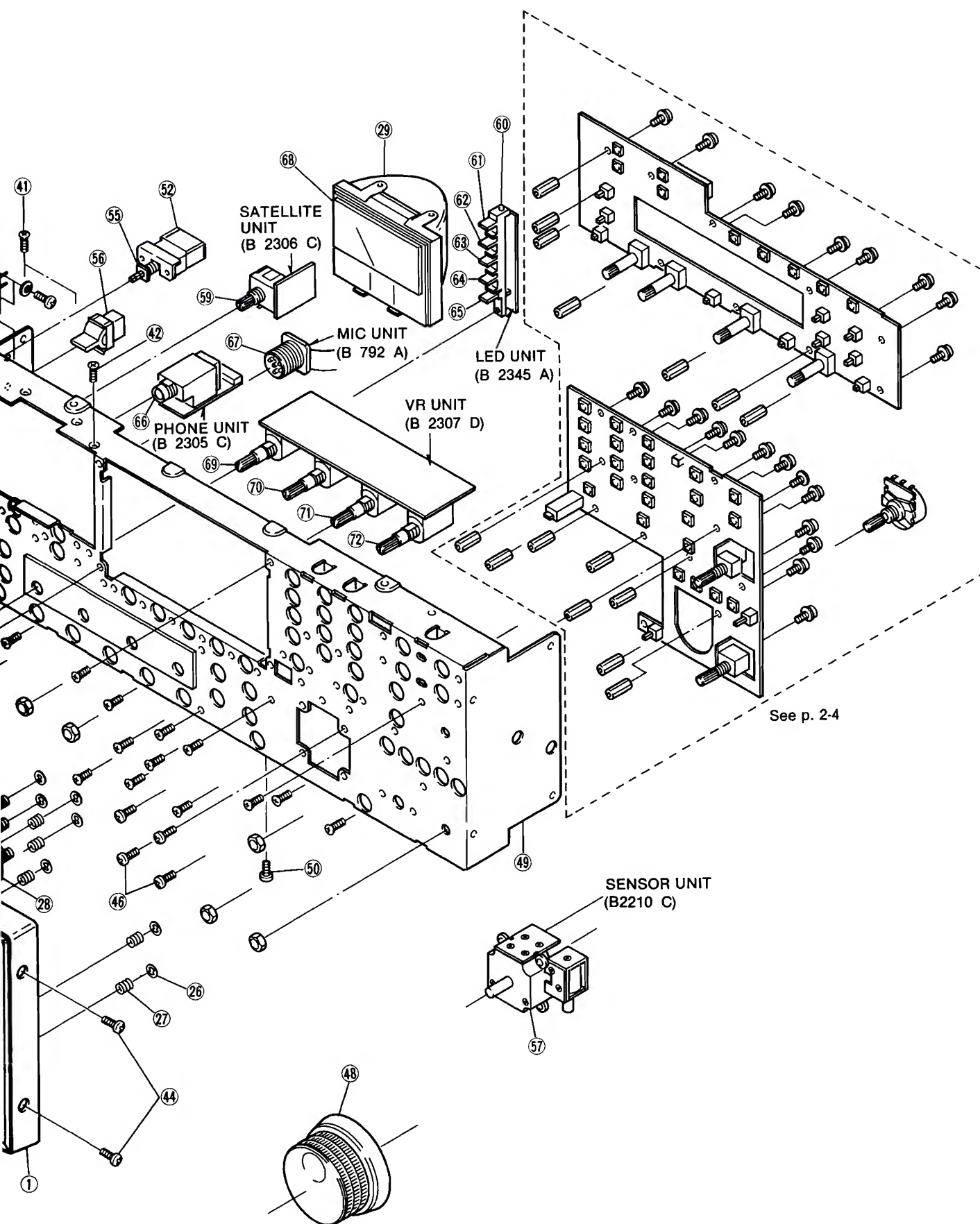
BiH: Binding head FH: Flat head PH: Pan head OH: Oval countersunk head
NI: Nickel ZK: Black





2-2 FRONT PARTS



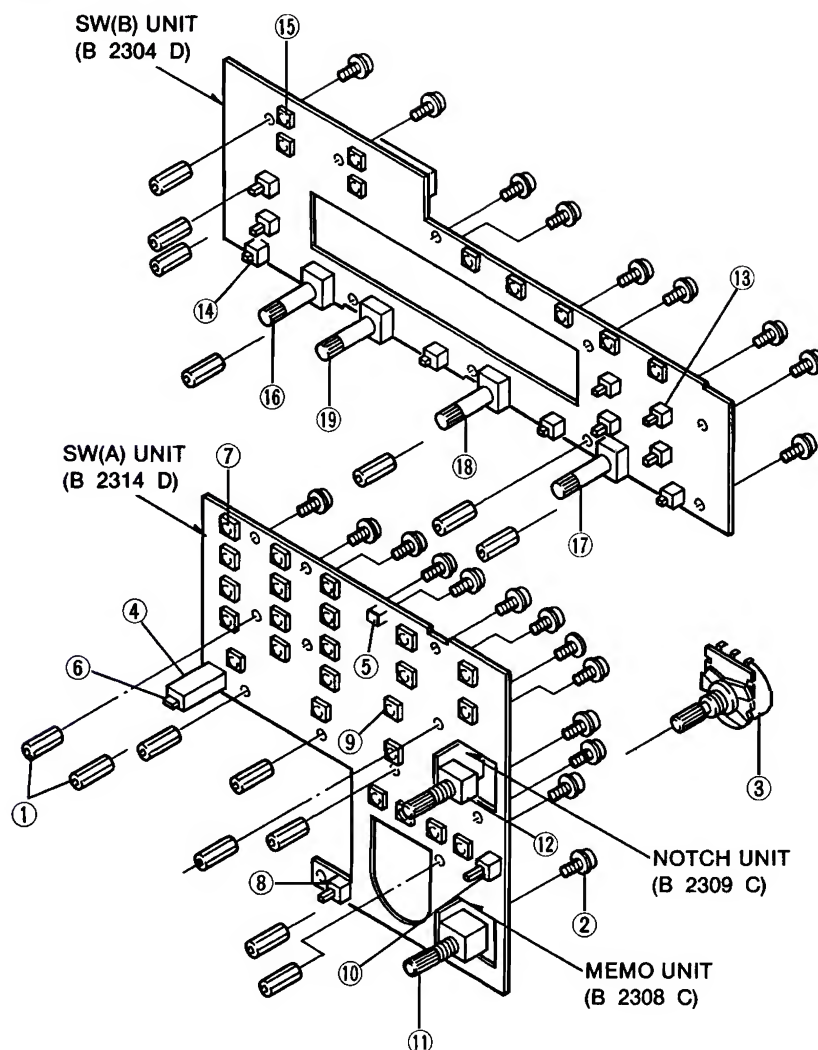


| LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. | LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. |
|-----------------|--------------|-------------------------------------------------------------|------|-----------------|--------------|------------------------------------------------------|------|
| ① | 8210005360 | 646 Front panel (A) IC-970A (USA, AUS) | 2 | ③⑥ | 8610005300 | Knob N122 (A) [NOTCH] | 1 |
| | 8210005370 | 646 Front panel (B) IC-970E (EUR, SWE) | 2 | ③⑦ | 8610004180 | Knob N123 [RIT], [MEMO-CH] | 2 |
| | 8210005390 | 646 Front panel (D) IC-970H (EUR-H, USA-H, AUS-H, SWE-H) | 4 | ③⑧ | 8930017160 | Standoff (Y) | 4 |
| ② | 8310019190 | 646 Window panel | 1 | ③⑨ | 8810002160 | Screw FH M3×5 | 15 |
| ③ | 8610006130 | Button K139 [MODE-SEL], [MULTI-BAND], etc. | 4 | ④⑩ | 8810002160 | Screw FH M3×5 | 2 |
| ④ | 8610006400 | Button K140 [SP SEPARATE], [S · RF/C · CALL], etc. | 6 | ④⑪ | 8810002250 | Screw FH B0 M2.6×6 | 2 |
| ⑤ | 8610006410 | Button K141 [BK-IN], [ELEC-KEY], [COMP], [LOCK] | 4 | ④⑫ | 8810002240 | Screw B0 M2×4 | 2 |
| ⑥ | 8610006140 | Button K142 [FM] | 1 | ④⑬ | 8810002160 | Screw FH M3×5 | 4 |
| ⑦ | 8610006200 | Button K142 (A) [SSB] | 1 | ④⑭ | 8810004690 | Screw BiH M4×5 ZK BS | 10 |
| ⑧ | 8610006210 | Button K142 (B) [CW/N] | 1 | ④⑮ | 8810000990 | Screw PH B0 M2×5 | 1 |
| ⑨ | 8610006220 | Button K142 (C) [GENE] | 1 | ④⑯ | 8810000220 | Screw PH M3×5 | 4 |
| ⑩ | 8610006230 | Button K142 (D) [SPEECH] | 1 | ④⑰ | 8810003160 | Set screw A M3×6 | 4 |
| ⑪ | 8610006160 | Button K144 [M/S] | 1 | ④⑱ | 8610004190 | Knob N124 | 1 |
| ⑫ | 8610006350 | Button K144 (A) [SUB] | 1 | ④⑲ | 8010009471 | 646 Sub chassis-1 | 1 |
| ⑬ | 8610006170 | Button K145 [FUNCTION] | 1 | ⑤⑩ | 8810002110 | Screw FH M2.6×5 | 1 |
| ⑭ | 8610006360 | Button K145 (A) [SPLIT] | 1 | ⑤⑪ | 8810006020 | Icom screw B0 (A) | 4 |
| ⑮ | 8610006370 | Button K145 (B) [A/B] | 1 | ⑤⑫ | 8930017280 | SW insulator | 1 |
| ⑯ | 8610006380 | Button K145 (C) [A=B] | 1 | ⑤⑬ | 8930017450 | 646 LCD cover | 1 |
| ⑰ | 8610006180 | Button K146 [CALL-1], [CALL-2] | 2 | ⑤⑭ | 8010006280 | Terminal plate | 1 |
| ⑱ | 8610006190 | Button K147 [RIT], [MEMO], [MW], [M ► VFO] | 4 | ⑤⑮ | 2230000120 | Switch SDDSA3159A [POWER] | 1 |
| ⑲ | 8610006420 | Button K148 [NOTCH] | 1 | ⑤⑯ | 2260000310 | Switch M-2012J [TRANSMIT/RECEIVE] | 1 |
| ⑳ | 8610006430 | Button K149 [CLICK] | 1 | ⑤⑰ | 8010008960 | Sensor frame | 1 |
| ㉑ | 8930018770 | 646 TENKEY sponge (A) | 4 | ⑤⑱ | 5030000510 | LCD LU-3175 [LCD CENTRAL MONITORING SYSTEM] | 1 |
| ㉒ | 8930018790 | 646 MODE sponge (A) | 4 | ⑤⑲ | 2210000170 | Switch SRBU16003A [SATELLITE] | 1 |
| ㉓ | 8930018770 | 646 TENKEY sponge (A) | 5 | ⑥⑩ | 8930017130 | 646 5-LED spacer | 1 |
| ㉔ | 8930018770 | 646 TENKEY sponge (A) | 4 | ⑥⑪ | 5040001430 | LED SLB-25VR 3F [TX] | 1 |
| ㉕ | 8930018770 | 646 TENKEY sponge (A) | 12 | ⑥⑫ | 5040001460 | LED SLB-25MG 3F [RX MAIN] | 1 |
| ㉖ | 8850001070 | 646 SW washer | 12 | ⑥⑬ | 5040001460 | LED SLB-25MG 3F [RX SUB] | 1 |
| ㉗ | 8930016370 | Release spring (N) | 12 | ⑥⑭ | 5040001430 | LED SLB-25VR 3F [SUB] | 1 |
| ㉘ | 8930017140 | 646 Lens | 1 | ⑥⑮ | 5040001420 | LED SPB-25MVW F [SATL] | 1 |
| ㉙ | 8010005872 | 560 Meter holder-2 | 1 | ⑥⑯ | 6450000950 | Connector HLJ4815-01-020 (incl. stopper) [PHONES] | 1 |
| ㉚ | 8610002840 | Button K79 [POWER] | 1 | ⑥⑰ | 6510000290 | Connector 8S-S-E [MICROPHONE] | 1 |
| ㉛ | 8610002810 | Button N114 [SATELLITE] | 1 | ⑥⑱ | 5510000350 | Meter ME-27 [MULTI FUNCTION METER] | 1 |
| ㉜ | 8930003200 | Spacer (P) | 1 | ⑥⑲ | 7210001790 | Trimmer RV-163 MAIN [AF]/[SQL] | 1 |
| ㉝ | 8830000600 | Nuts | 2 | ⑦⑩ | 7210001790 | Trimmer RV-163 SUB [AF]/[SQL] | 1 |
| ㉞ | 8610000530 | Knob N72 MAIN [SQL], SUB [SQL], [RF], [RF PWR] | 4 | ⑦⑪ | 7210001800 | Trimmer RV-164 [TONE]/[RF] | 1 |
| ㉟ | 8610004160 | Knob N121 MAIN [AF], SUB [AF], [TONE], [MIC] | 4 | ⑦⑫ | 7210001810 | Trimmer RV-165 [MIC]/[RF PWR] | 1 |

Screw abbreviations

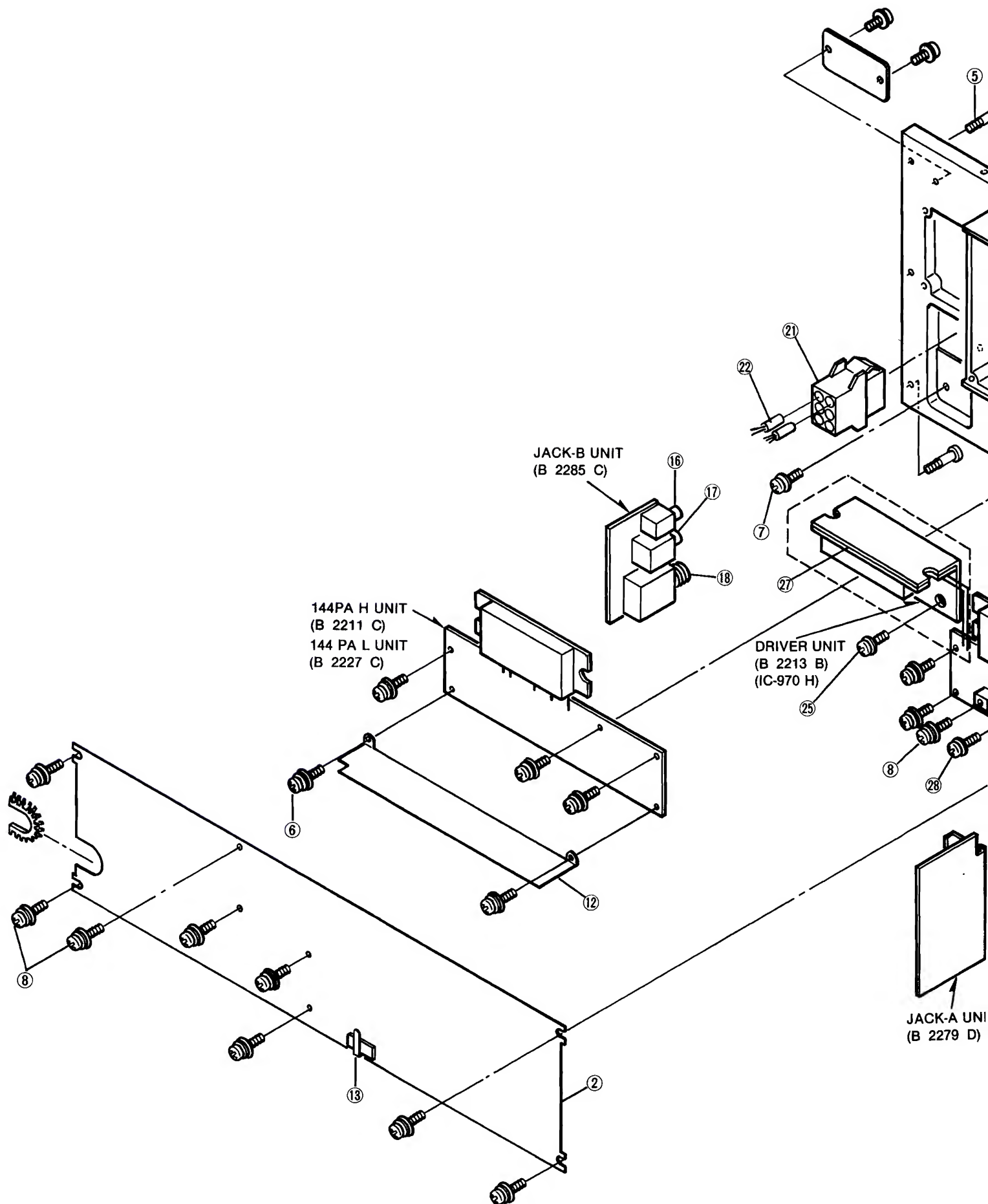
BiH: Binding head ZK: Black PH: Pan head B0: Self-tapping FH: Flat head

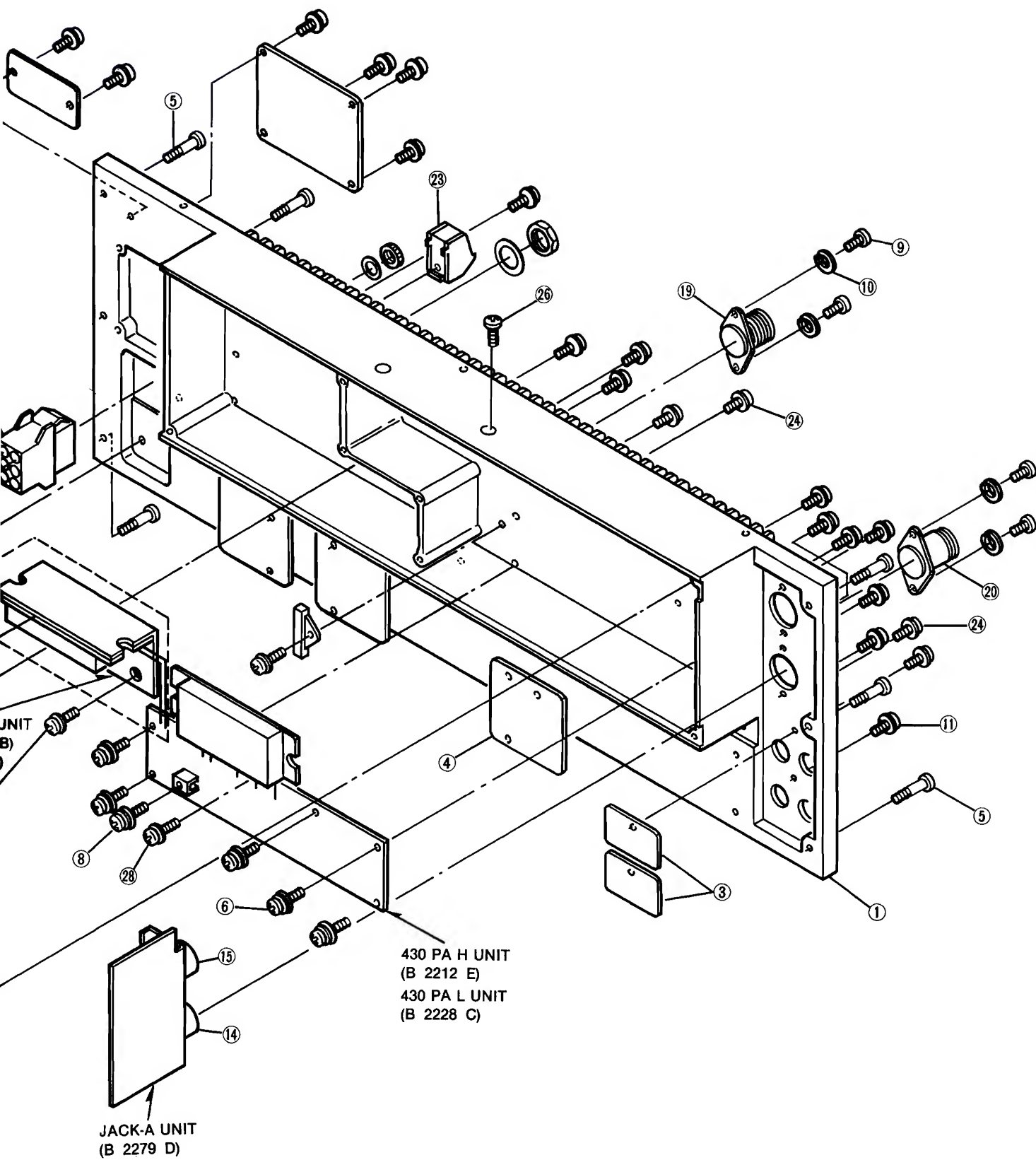
2-3 SW(A) AND SW(B) PARTS



| LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. |
|--------------|------------|---------------------------------------------------|------|
| ① | 8930000510 | Standoff (A) | 15 |
| ② | 8810003160 | Setscrew A M3 × 6 | 22 |
| ③ | 7600000110 | Encoder SW-110 [RIT] | 1 |
| ④ | 8930017150 | 646 1-LED spacer | 1 |
| ⑤ | 5040001450 | LED SLB-25VR 5F [FUNCTION] | 1 |
| ⑥ | 5040001440 | LED SLB-25YY 3F [CLICK] | 1 |
| ⑦ | 2230000820 | Switch EVQ-QS2 05K [1], [2], [3], etc. | 14 |
| ⑧ | 2230000810 | Switch ESB-64801 [CLICK] | 1 |
| ⑨ | 2230000820 | Switch EVQ-QS2 05K [FUNCTION], [SPLIT], etc. | 10 |
| ⑩ | 2230000810 | Switch ESB-64801 [NOTCH] | 1 |
| ⑪ | 2260001230 | Switch SW-111 [MEMO-CH] | 1 |
| ⑫ | 7210001780 | Variable resistor RV-166 [NOTCH] | 1 |
| ⑬ | 2230000810 | Switch ESB-64801 [PREAMP], [SP SEPARATE], etc. | 6 |
| ⑭ | 2230000800 | Switch SW-112 [BK-IN], [COMP], [ELEC-KEY], etc. | 4 |
| ⑮ | 2230000820 | Switch EVQ-QS2 05K [MODE-SEL], [MULTI-BAND], etc. | 9 |
| ⑯ | 7210001760 | Variable resistor EVU-FLAEA4B16 [DELAY] | 1 |
| ⑰ | 7210001750 | Variable resistor EVU-FLAEA4B13 [LEVEL] | 1 |
| ⑱ | 7210001770 | Variable resistor EVU-FLAEA4C55 [KEY SPEED] | 1 |
| ⑲ | 7210001880 | Variable resistor EVU-FLAEA4C13 [SIDE TONE] | 1 |

2-4 REAR PARTS



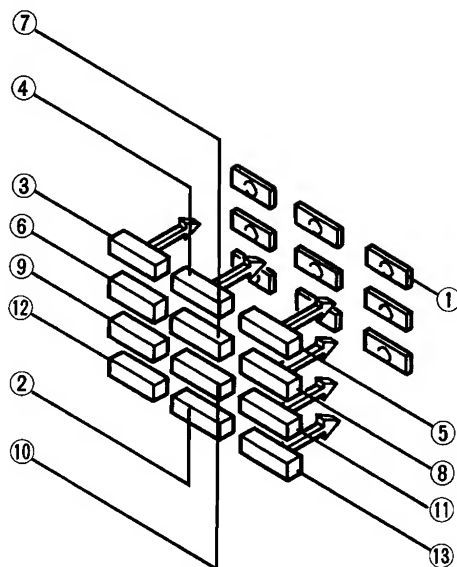


| LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. |
|-----------------|------------|---------------------------------------------------|------|
| ① | 8410001440 | 646 heatsink | 1 |
| ② | 8010009460 | PA cover | 1 |
| ③ | 8930017300 | TVJ blind plate | 2 |
| ④ | 8930017290 | ANT blind plate | 3 |
| ⑤ | 8810006030 | Screw PH M4 × 12 NI | 6 |
| ⑥ | 8810003160 | Setscrew A M3 × 6 | 11 |
| ⑦ | 8810003170 | Setscrew A M3 × 8 | 1 |
| ⑧ | 8810003360 | Setscrew C M3 × 6 | 9 |
| ⑨ | 8810001910 | Screw PH M3 × 6 NI BS | 4 |
| ⑩ | 8850000420 | Spring washer M3 NI | 4 |
| ⑪ | 8810003250 | Setscrew A M3 × 8 NI | 12 |
| ⑫ | 8510006290 | 646 PA shield plate | 1 |
| ⑬ | 6910002560 | Wire sticker S-10-516L | 1 |
| ⑭ | 6450000940 | Connector TCS5380-01-4151 [ACC (1)] | 1 |
| ⑮ | 6450000510 | Connector TCS5037-01-401 [DATA] | 1 |
| ⑯ | 6450000100 | Connector HSJ0857-01-220 [REMOTE] | 1 |
| ⑰ | 6450000930 | Connector HSJ0913-01-050 [EXT SP] | 1 |
| ⑱ | 6450000460 | Connector HLJ4306-01-3080 [KEY] | 1 |
| ⑲ | 6510000370 | ANT connector MR-DS [ANT 144 MHz] | 1 |
| ⑳ | 6510000330 | ANT connector NR-DS [ANT 430 MHz] | 1 |
| ㉑ | 6510003780 | Connector LLR-06 [DC 13.8 V] | 1 |
| ㉒ | 6510007650 | Pin LLM 61T-2.0 | 6 |
| ㉓ | 6510000030 | Connector S-Q2054 [GND] | 1 |
| ㉔ | 8810001900 | Screw PH M3 × 5 NI BS | 3 |
| ㉕ | 8810003360 | Setscrew C M3 × 6 (EUR-H, USA-H, AUS-H, SWE-H) | 2 |
| ㉖ | 8810003250 | Setscrew A M3 × 8 NI (EUR-H, USA-H, AUS-H, SWE-H) | 2 |
| ㉗ | 8930006470 | Module plate (EUR-H, USA-H, AUS-H, SWE-H) | 1 |
| ㉘ | 8810003860 | Setscrew A M4 × 8 (EUR-H, USA-H, AUS-H, SWE-H) | 4 |
| | 8810003170 | Setscrew A M3 × 8 (EUR, USA, AUS, SWE) | |

Screw abbreviations PH: Pan head BS: Brass NI: Nickel

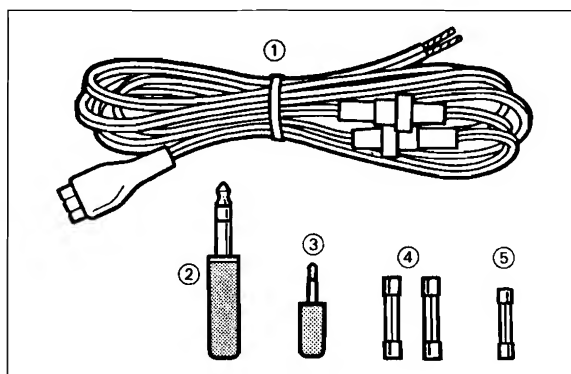
2-5 TENKEY AND ACCESSORIES

• TENKEY



| LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. |
|--------------|------------|-----------------------|------|
| ① | 8930018770 | 646 TENKEY sponge (A) | 12 |
| ② | 8610006150 | Button K143 [0] | 1 |
| ③ | 8610006240 | Button K143 (A) [1] | 1 |
| ④ | 8610006250 | Button K143 (B) [2] | 1 |
| ⑤ | 8610006260 | Button K143 (C) [3] | 1 |
| ⑥ | 8610006270 | Button K143 (D) [4] | 1 |
| ⑦ | 8610006280 | Button K143 (E) [5] | 1 |
| ⑧ | 8610006290 | Button K143 (F) [6] | 1 |
| ⑨ | 8610006300 | Button K143 (G) [7] | 1 |
| ⑩ | 8610006310 | Button K143 (H) [8] | 1 |
| ⑪ | 8610006320 | Button K143 (I) [9] | 1 |
| ⑫ | 8610006330 | Button K143 (J) [·] | 1 |
| ⑬ | 8610006340 | Button K143 (K) [ENT] | 1 |

• ACCESSORIES



| LABEL NUMBER | ORDER NO. | DESCRIPTION | QTY. |
|--------------|------------------|-----------------------------|------|
| ① | Optional product | DC power cable OPC-025 A | 1 |
| ② | 5610000050 | Keyer plug AP330 | 1 |
| ③ | 5610000020 | External speaker plug AP313 | 1 |
| ④ | 5210000080 | Spare fuse FGB 20A | 2 |
| ⑤ | 5210000180 | Spare fuse FGMB 125 V, 5 A | 1 |

SECTION 3 PARTS LIST

[PLL-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------|
| IC1 | 1120001680 | IC | M5223P |
| IC2 | 1130002960 | IC | TC9181P |
| IC3 | 1110002050 | IC | MB503P-G |
| IC4 | 1120000100 | IC | M74LS90P |
| IC5 | 1110002030 | IC | TA7808S |
| IC6 | 1180000010 | IC | TA78L005AP |
| IC7 | 1790000050 | IC | ND487C1-3R |
| IC8 | 1130000140 | IC | TC4071BP |
| | | | |
| Q1 | 1560000130 | FET | 2SK125 |
| Q4 | 1590000360 | Transistor | RN2202 |
| Q5 | 1590000340 | Transistor | RN1202 |
| Q8 | 1530000150 | Transistor | 2SC2668-O |
| Q9 | 1530002210 | Transistor | 2SC3776-D |
| Q10 | 1530000940 | Transistor | 2SC1571G |
| Q11 | 1530000150 | Transistor | 2SC2668-O |
| Q12 | 1530000940 | Transistor | 2SC1571G |
| Q13 | 1530000150 | Transistor | 2SC2668-O |
| Q14 | 1530000940 | Transistor | 2SC1571G |
| Q15 | 1530000150 | Transistor | 2SC2668-O |
| Q17 | 1590000340 | Transistor | RN1202 |
| Q18 | 1530000150 | Transistor | 2SC2668-O |
| Q19 | 1530000150 | Transistor | 2SC2668-O |
| Q20 | 1580000110 | FET | 3SK74 M |
| Q21 | 1530000150 | Transistor | 2SC2668-O |
| Q22 | 1530000591 | Transistor | 2SC2785 EL |
| Q23 | 1510000070 | Transistor | 2SA1048-Y |
| Q24 | 1530000591 | Transistor | 2SC2785 EL |
| Q25 | 1560000090 | FET | 2SK192A-GR |
| Q27 | 1530000150 | Transistor | 2SC2668-O |
| | | | |
| D1 | 1710000160 | Diode | 1SS133 |
| D2 | 1720000060 | Varicap | 1SV50(1)E |
| D4 | 1710000160 | Diode | 1SS133 |
| D6 | 1710000160 | Diode | 1SS133 |
| D7 | 1710000050 | Diode | 1SS53 |
| D9 | 1720000060 | Varicap | 1SV50(1)E |
| D10 | 1720000060 | Varicap | 1SV50(1)E |
| D11 | 1720000060 | Varicap | 1SV50(1)E |
| D12 | 1710000160 | Diode | 1SS133 |
| | | | |
| L1 | 6140000580 | Coil | LR-79 |
| L2 | 6180000880 | Coil | LAL 03NA 100K |
| L3 | 6180002590 | Coil | LAL 02KR 120K |
| L4 | 6180000880 | Coil | LAL 03NA 100K |
| L5 | 6180001410 | Coil | LAL 02KR 100K |
| L6 | 6150001310 | Coil | LS-145 |
| L7 | 6110001770 | Coil | LA-266 |
| L8 | 6110001710 | Coil | LA-257 |
| L9 | 6110001720 | Coil | LA-258 |
| L10 | 6110001630 | Coil | LA-246 |
| L11 | 6180000840 | Coil | LAL 03NA 3R9K |
| L12 | 6180000840 | Coil | LAL 03NA 3R9K |
| L13 | 6180001410 | Coil | LAL 02KR 100K |
| L14 | 6180000690 | Coil | LAL 03NA R22M |
| L15 | 6110001780 | Coil | LA-267 |
| L16 | 6110001770 | Coil | LA-266 |
| L17 | 6180001390 | Coil | LAL 02KR 2R2K |
| L18 | 6180002550 | Coil | LAL 02KR R68K |
| L19 | 6110001640 | Coil | LA-247 |
| L20 | 6180001300 | Coil | LAL 02NA 100K |
| L21 | 6180001410 | Coil | LAL 02KR 100K |
| L22 | 6180000900 | Coil | LAL 03NA 101K |
| L23 | 6180000880 | Coil | LAL 03NA 100K |
| L24 | 6150000970 | Coil | LS-112 |
| L25 | 6150000970 | Coil | LS-112 |
| L26 | 6180000900 | Coil | LAL 03NA 101K |
| L27 | 6180000900 | Coil | LAL 03NA 101K |
| L28 | 6140000580 | Coil | LR-79 |

[PLL-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------|
| L29 | 6130000890 | Coil | LB-135 |
| L30 | 6110001720 | Coil | LA-258 |
| L31 | 6150000870 | Coil | LS-112 |
| L32 | 6180001410 | Coil | LAL 02KR 100K |
| L33 | 6180000900 | Coil | LAL 03NA 101K |
| L34 | 6180000880 | Coil | LAL 03NA 100K |
| L35 | 6180000880 | Coil | LAL 03NA 100K |
| L36 | 6180001300 | Coil | LAL 02NA 100K |
| L37 | 6180000880 | Coil | LAL 03NA 100K |
| L38 | 6180001410 | Coil | LAL 02KR 100K |
| L39 | 6180002430 | Coil | LAL 04NA 470K |
| L40 | 6180000880 | Coil | LAL 03NA 100K |
| L41 | 6180001410 | Coil | LAL 02KR 100K |
| L42 | 6180000880 | Coil | LAL 03NA 100K |
| L43 | 6180001410 | Coil | LAL 02KR 100K |
| L44 | 6180001410 | Coil | LAL 02KR 100K |
| L45 | 6180000880 | Coil | LAL 03NA 100K |
| L46 | 6180001410 | Coil | LAL 02KR 100K |
| L47 | 6180000880 | Coil | LAL 03NA 100K |
| L51 | 6130001860 | Coil | LB-203 |
| L52 | 6180001380 | Coil | LAL 02KR 1R0K |
| L54 | 6110001650 | Coil | LA-248 |
| L55 | 6110002110 | Coil | LA-382 |
| L56 | 6110002110 | Coil | LA-382 |
| L57 | 6110001530 | Coil | LA-233 |
| L58 | 6110001620 | Coil | LA-245 |
| L59 | 6110001690 | Coil | LA-255 |
| L66 | 6180000900 | Coil | LAL 03NA 101K |
| L67 | 6180001380 | Coil | LAL 02KR 1R0K |
| L68 | 6180000690 | Coil | LAL 03NA R22M |
| L69 | 6180000770 | Coil | LAL 03NA 1R0M |
| L70 | 6140000930 | Coil | LR-116 |
| L71 | 6140000930 | Coil | LR-116 |
| L72 | 6180001300 | Coil | LAL 02NA 100K |
| L73 | 6180001410 | Coil | LAL 02KR 100K |
| L74 | 6180000880 | Coil | LAL 03NA 100K |
| L75 | 6180000900 | Coil | LAL 03NA 101K |
| L76 | 6180002420 | Coil | LAL 02KR R39K |
| | | | |
| R1 | 7010003240 | Resistor | ELR20J 47 Ω |
| R2 | 7010003320 | Resistor | ELR20J 220 Ω |
| R3 | 7010004070 | Resistor | R20J 100 Ω |
| R4 | 7010004310 | Resistor | R20J 8.2 kΩ |
| R5 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R11 | 7010003490 | Resistor | ELR20J 5.6 kΩ |
| R12 | 7010004070 | Resistor | R20J 100 Ω |
| R14 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R15 | 7010004030 | Resistor | R20J 47 Ω |
| R16 | 7010003810 | Resistor | ELR20J 2.2 MΩ |
| R18 | 7010004190 | Resistor | R20J 1 kΩ |
| R23 | 7010003410 | Resistor | ELR20J 1.2 kΩ |
| R24 | 7010003280 | Resistor | ELR20J 100 Ω |
| R27 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R28 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R29 | 7010003240 | Resistor | ELR20J 47 Ω |
| R30 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R31 | 7010003280 | Resistor | ELR20J 100 Ω |
| R32 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R33 | 7010001280 | Resistor | R25XJ 10 kΩ |
| R34 | 7010003700 | Resistor | ELR20J 220 kΩ |
| R35 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R36 | 7010003280 | Resistor | ELR20J 100 Ω |
| R37 | 7010004070 | Resistor | R20J 100 Ω |
| R39 | 7010003280 | Resistor | ELR20J 100 Ω |
| R41 | 7010003320 | Resistor | ELR20J 220 Ω |
| R42 | 7010003820 | Resistor | ELR20J 3.3 MΩ |
| R43 | 7010003510 | Resistor | ELR20J 6.8 kΩ |
| R44 | 7010003610 | Resistor | ELR20J 39 kΩ |
| R45 | 7010004070 | Resistor | R20J 100 Ω |
| R46 | 7010001150 | Resistor | R25XJ 1 kΩ |
| R47 | 7010003810 | Resistor | ELR20J 2.2 MΩ |

[PLL-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|----------------------------|
| R48 | 7010004180 | Resistor R20J 820 Ω |
| R49 | 7010003920 | Resistor R20J 5.6 Ω |
| R50 | 7010003280 | Resistor ELR20J 100 Ω |
| R51 | 7010003360 | Resistor ELR20J 470 Ω |
| R52 | 7010003490 | Resistor ELR20J 5.6 kΩ |
| R53 | 7010003320 | Resistor ELR20J 220 Ω |
| R54 | 7010003390 | Resistor ELR20J 820 Ω |
| R55 | 7010004180 | Resistor R20J 820 Ω |
| R56 | 7010003920 | Resistor R20J 5.6 Ω |
| R57 | 7010003400 | Resistor ELR20J 1 kΩ |
| R58 | 7010004410 | Resistor R20J 47 kΩ |
| R59 | 7010004180 | Resistor R20J 820 Ω |
| R60 | 7010003400 | Resistor ELR20J 1 kΩ |
| R61 | 7010001280 | Resistor R25XJ 10 kΩ |
| R62 | 7010004230 | Resistor R20J 2.2 kΩ |
| R63 | 7010004320 | Resistor R20J 10 kΩ |
| R64 | 7010003620 | Resistor ELR20J 47 kΩ |
| R71 | 7010004270 | Resistor R20J 4.7 kΩ |
| R72 | 7010003400 | Resistor ELR20J 1 kΩ |
| R73 | 7010003580 | Resistor ELR20J 22 kΩ |
| R74 | 7010004110 | Resistor R20J 220 Ω |
| R76 | 7010004190 | Resistor R20J 1 kΩ |
| R78 | 7010004190 | Resistor R20J 1 kΩ |
| R79 | 7010004120 | Resistor R20J 270 Ω |
| R80 | 7010004130 | Resistor R20J 330 Ω |
| R81 | 7010004070 | Resistor R20J 100 Ω |
| R82 | 7010003400 | Resistor ELR20J 1 kΩ |
| R83 | 7010003580 | Resistor ELR20J 22 kΩ |
| R84 | 7010003360 | Resistor ELR20J 470 Ω |
| R85 | 7010003490 | Resistor ELR20J 5.6 kΩ |
| R86 | 7010003320 | Resistor ELR20J 220 Ω |
| R91 | 7010001230 | Resistor R25XJ 4.7 kΩ |
| R93 | 7010003660 | Resistor ELR20J 100 kΩ |
| R94 | 7010003660 | Resistor ELR20J 100 kΩ |
| R95 | 7010003380 | Resistor ELR20J 680 Ω |
| R96 | 7010003280 | Resistor ELR20J 100 Ω |
| R102 | 7010003410 | Resistor ELR20J 1.2 kΩ |
| R103 | 7010004280 | Resistor R20J 5.6 kΩ |
| R104 | 7010003280 | Resistor ELR20J 100 Ω |
| R105 | 7010004070 | Resistor R20J 100 Ω |
| R106 | 7010004120 | Resistor R20J 270 Ω |
| R107 | 7010003980 | Resistor R20J 18 Ω |
| R108 | 7010003330 | Resistor ELR20J 270 Ω |
| R110 | 7010003240 | Resistor ELR20J 47 Ω |
| R117 | 7010003580 | Resistor ELR20J 22 kΩ |
| R118 | 7010004280 | Resistor R20J 5.6 kΩ |
| R122 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R124 | 7010003910 | Resistor R20J 4.7 Ω |
| R126 | 7010004120 | Resistor R20J 270 Ω |
| R127 | 7010003980 | Resistor R20J 18 Ω |
| R128 | 7010004120 | Resistor R20J 270 Ω |
| R130 | 7010004120 | Resistor R20J 270 Ω |
| R131 | 7010003980 | Resistor R20J 18 Ω |
| R132 | 7010004120 | Resistor R20J 270 Ω |
| R133 | 7010003550 | Resistor ELR20J 15 kΩ |
| R137 | 7510000320 | Thermistor ERT-D2ZGL202S |
| R138 | 7510000320 | Thermistor ERT-D2ZGL202S |
| C1 | 4040000150 | Barrier Layer UAT 05X 472K |
| C2 | 4010000220 | Ceramic DD104 SL 330J 50V |
| C3 | 4010000860 | Ceramic DD108 CH 470J 50V |
| C4 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C5 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C6 | 4010000150 | Ceramic DD104 SL 150J 50V |
| C7 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C8 | 4010000120 | Ceramic DD104 SL 100D 50V |
| C9 | 4010000520 | Ceramic DD108 B 472K 50V |
| C10 | 4010000080 | Ceramic DD104 SL 080D 50V |
| C11 | 4010000080 | Ceramic DD104 SL 080D 50V |
| C12 | 4040000150 | Barrier Layer UAT 05X 472K |
| C13 | 4010000520 | Ceramic DD108 B 472K 50V |
| C14 | 4040000260 | Barrier Layer UZE 08X 104M |
| C15 | 4510004020 | Electrolytic 50 MV 3R3 HW |
| C16 | 4010000560 | Ceramic DD106 F 103Z 50V |
| C17 | 4510004010 | Electrolytic 10 MV 470 HW |
| C21 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C23 | 4040000260 | Barrier Layer UZE 08X 104M |

[PLL-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|-----------------------------------|
| C25 | 4010000520 | Ceramic DD108 B 472K 50V |
| C26 | 4010000520 | Ceramic DD108 B 472K 50V |
| C27 | 4010000040 | Ceramic DD104 SL 020C 50V |
| C28 | 4010000120 | Ceramic DD104 SL 100D 50V |
| C29 | 4010000300 | Ceramic DD104 SL 680J 50V |
| C30 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C31 | 4010000280 | Ceramic DD104 SL 580J 50V |
| C32 | 4010000200 | Ceramic DD104 SL 270J 50V |
| C33 | 4010000240 | Ceramic DD104 SL 390J 50V |
| C34 | 4010000520 | Ceramic DD108 B 472K 50V |
| C35 | 4040000260 | Barrier Layer UZE 08X 104M |
| C36 | 4010000500 | Ceramic DD104 B 102K 50V |
| C37 | 4010000280 | Ceramic DD104 SL 580J 50V |
| C38 | 4510003790 | Electrolytic 16 MV 10 SW |
| C39 | 4010000500 | Ceramic DD104 B 102K 50V |
| C40 | 4040000150 | Barrier Layer UAT 05X 472K |
| C41 | 4010000520 | Ceramic DD108 B 472K 50V |
| C42 | 4010000500 | Ceramic DD104 B 102K 50V |
| C43 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C44 | 4010000270 | Ceramic DD104 SL 510J 50V |
| C45 | 4010000300 | Ceramic DD104 SL 680J 50V |
| C46 | 4010000020 | Ceramic DD104 SL 010C 50V |
| C47 | 4010004840 | Ceramic DD104 SL 130J 50V |
| C48 | 4010000300 | Ceramic DD104 SL 680J 50V |
| C49 | 4010000340 | Ceramic DD105 SL 121J 50V |
| C50 | 4010000330 | Ceramic DD105 SL 101J 50V |
| C51 | 4010000520 | Ceramic DD108 B 472K 50V |
| C52 | 4010000520 | Ceramic DD108 B 472K 50V |
| C53 | 4040000260 | Barrier Layer UZE 08X 104M |
| C54 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C55 | 4010000520 | Ceramic DD108 B 472K 50V |
| C56 | 4510003780 | Electrolytic 10 MV 100 SW |
| C57 | 4040000430 | Barrier Layer RAU 05SA 221K |
| C58 | 4010000080 | Ceramic DD104 SL 080D 50V |
| C59 | 4040000430 | Barrier Layer RAU 05SA 221K |
| C60 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C61 | 4010000080 | Ceramic DD104 SL 040C 50V |
| C62 | 4010000020 | Ceramic DD104 SL 010C 50V |
| C63 | 4510003980 | Electrolytic 10 MV 100 HWS (5X11) |
| C64 | 4010000500 | Ceramic DD104 B 102K 50V |
| C65 | 4550000350 | Tantalum DN 1V 010M |
| C66 | 4550000350 | Tantalum DN 1V 010M |
| C67 | 4010000520 | Ceramic DD108 B 472K 50V |
| C68 | 4010000500 | Ceramic DD104 B 102K 50V |
| C69 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C70 | 4010000520 | Ceramic DD108 B 472K 50V |
| C71 | 4010000500 | Ceramic DD104 B 102K 50V |
| C72 | 4010000180 | Ceramic DD104 SL 220J 50V |
| C73 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C74 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C75 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C76 | 4010000520 | Ceramic DD108 B 472K 50V |
| C77 | 4010000520 | Ceramic DD108 B 472K 50V |
| C78 | 4010000140 | Ceramic DD104 SL 120J 50V |
| C79 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C80 | 4040000480 | Barrier Layer RAU 04AK R75C |
| C81 | 4010000150 | Ceramic DD104 SL 150J 50V |
| C82 | 4010000460 | Ceramic DD104 B 471K 50V |
| C83 | 4010000520 | Ceramic DD108 B 472K 50V |
| C84 | 4010000240 | Ceramic DD104 SL 390J 50V |
| C85 | 4010000300 | Ceramic DD104 SL 680J 50V |
| C86 | 4010000240 | Ceramic DD104 SL 390J 50V |
| C87 | 4040000260 | Barrier Layer UZE 08X 104M |
| C88 | 4010000500 | Ceramic DD104 B 102K 50V |
| C89 | 4010000500 | Ceramic DD104 B 102K 50V |
| C90 | 4010000070 | Ceramic DD104 SL 050C 50V |
| C91 | 4010000520 | Ceramic DD108 B 472K 50V |
| C92 | 4010000520 | Ceramic DD108 B 472K 50V |
| C96 | 4040000430 | Barrier Layer RAU 05SA 221K |
| C97 | 4040000260 | Barrier Layer UZE 08X 104M |
| C98 | 4550002450 | Tantalum DN 1V 1R5M |
| C99 | 4010000720 | Ceramic DD104 CH 120J 50V |
| C100 | 4010000820 | Ceramic DD105 CH 330J 50V |
| C101 | 4010000660 | Ceramic DD104 CH 080D 50V |
| C102 | 4510003880 | Electrolytic 10 MV 47 HW |
| C103 | 4010000520 | Ceramic DD108 B 472K 50V |
| C105 | 4020000010 | Cylinder UP125 SL 010M |
| C109 | 4010000520 | Ceramic DD108 B 472K 50V |

[PLL-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|-------------------|
| C110 | 4510003780 | Electrolytic | 10 MV 100 SW |
| C111 | 4010000600 | Ceramic | DD104 CK 010C 50V |
| C115 | 4510003920 | Electrolytic | 16 MV 100 HW |
| C116 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C117 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C118 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C119 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C120 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C121 | 4610000800 | Trimmer | CV38B 0601 |
| C122 | 4010000770 | Ceramic | DD104 CH 200J 50V |
| C123 | 4010000630 | Ceramic | DD104 CJ 030C 50V |
| C125 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C126 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C127 | 4010000140 | Ceramic | DD104 SL 120J 50V |
| C130 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C131 | 4010003760 | Ceramic | DD104 CK 0R5C 50V |
| C133 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C134 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C135 | 4010000080 | Ceramic | DD104 SL 060D 50V |
| C148 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C149 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C150 | 4010000120 | Ceramic | DD104 SL 100D 50V |
| C154 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C155 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C156 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C158 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C159 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C161 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C162 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C163 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C165 | 4510003960 | Electrolytic | 50 MV 1 HW |
| C170 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C171 | 4010000040 | Ceramic | DD104 SL 020C 50V |
| C172 | 4010000020 | Ceramic | DD104 SL 010C 50V |
| C173 | 4010000020 | Ceramic | DD104 SL 010C 50V |
| C175 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C176 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C177 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C181 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C182 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C185 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C186 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C187 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C188 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C191 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C192 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C193 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C194 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C195 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C197 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C203 | 4010004640 | Ceramic | DD104 SL 130J 50V |
| C204 | 4010000150 | Ceramic | DD104 SL 150J 50V |
| EP1 | 0910023964 | P.C. Board | B 2115D (PLL-A) |
| EP2 | 6910000630 | Bead core | FSOH070RN |

[430 DDS UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------------------|
| IC1 | 1140000500 | IC | SC1051 |
| IC2 | 1130005570 | IC | SC1052 |
| IC3 | 1130005580 | IC | SC1053 |
| IC4 | 1130002461 | IC | TC74HCT374AF |
| IC5 | 1130002461 | IC | TC74HCT374AF |
| IC6 | 1130003830 | IC | TC7S04F (TE85R) |
| X1 | 6050003230 | Crystal | CR-180L1 6200000040CoilL1 |

[430 DDS UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|----------------|-------------------------|
| L1 | 6200000040 | Coil | LQN 5N 331K |
| L2 | 6200000040 | Coil | LQN 5N 331K |
| L3 | 6200000040 | Coil | LQN 5N 331K |
| R1 | 7030000740 | Resistor | MCR10EZHZJ 1 MΩ (105) |
| R2 | 7030000360 | Resistor | MCR10EZHZJ 680 Ω (681) |
| R3 | 7030000420 | Resistor | MCR10EZHZJ 2.2 kΩ (222) |
| R4 | 7410000320 | Resistor Array | GF 5096 |
| R5 | 7030000500 | Resistor | MCR10EZHZJ 10 kΩ (103) |
| R6 | 7030000500 | Resistor | MCR10EZHZJ 10 kΩ (103) |
| R7 | 7030000500 | Resistor | MCR10EZHZJ 10 kΩ (103) |
| C1 | 4610000520 | Trimmer | TZB04N100BA006 |
| C2 | 4030000950 | Ceramic | GRM40 CH 330J 50P T |
| C3 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C7 | 4030000720 | Ceramic | GRM40 SL 680J 50P T |
| C8 | 4030000560 | Ceramic | GRM40 SL 020C 50P T |
| C9 | 4030000750 | Ceramic | GRM40 SL 121J 50P T |
| C10 | 4030000610 | Ceramic | GRM40 SL 070D 50P T |
| C11 | 4030000750 | Ceramic | GRM40 SL 121J 50P T |
| C12 | 4030000640 | Ceramic | GRM40 SL 120J 50P T |
| C13 | 4030000720 | Ceramic | GRM40 SL 680J 50P T |
| C14 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C15 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C16 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C17 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C18 | 4030002430 | Ceramic | GRM40 TH 220J 50P T |
| C19 | 4030001100 | Ceramic | GRM40 B 102K 50PT |
| C20 | 4030001100 | Ceramic | GRM40 B 102K 50PT |
| C21 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| EP1 | 0910028230 | P.C. Board | B 2853 (430 DDS) |

[144 DDS UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|----------------|-------------------------|
| IC1 | 1140000500 | IC | SC1051 |
| IC2 | 1130005570 | IC | SC1052 |
| IC3 | 1130005580 | IC | SC1053 |
| IC4 | 1130002461 | IC | TC74HCT374AF |
| IC5 | 1130002461 | IC | TC74HCT374AF |
| IC6 | 1130003830 | IC | TC7S04F (TE85R) |
| X1 | 6050003230 | Crystal | CR-180 |
| L1 | 6200000040 | Coil | LQN 5N 331K |
| L2 | 6200000040 | Coil | LQN 5N 331K |
| L3 | 6200000040 | Coil | LQN 5N 331K |
| R1 | 7030000740 | Resistor | MCR10EZHZJ 1 MΩ (105) |
| R2 | 7030000360 | Resistor | MCR10EZHZJ 680 Ω (681) |
| R3 | 7030000420 | Resistor | MCR10EZHZJ 2.2 kΩ (222) |
| R4 | 7410000320 | Resistor Array | GF 5096 |
| R5 | 7030000500 | Resistor | MCR10EZHZJ 10 kΩ (103) |
| R6 | 7030000500 | Resistor | MCR10EZHZJ 10 kΩ (103) |
| R7 | 7030000500 | Resistor | MCR10EZHZJ 10 kΩ (103) |
| C1 | 4610000520 | Trimmer | TZB04N100BA006 |
| C2 | 4030000950 | Ceramic | GRM40 CH 330J 50P T |
| C3 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C7 | 4030000720 | Ceramic | GRM40 SL 680J 50P T |
| C8 | 4030000560 | Ceramic | GRM40 SL 020C 50P T |
| C9 | 4030000750 | Ceramic | GRM40 SL 121J 50P T |
| C10 | 4030000610 | Ceramic | GRM40 SL 070D 50P T |
| C11 | 4030000750 | Ceramic | GRM40 SL 121J 50P T |
| C12 | 4030000640 | Ceramic | GRM40 SL 120J 50P T |
| C13 | 4030000720 | Ceramic | GRM40 SL 680J 50P T |

[144 DDS UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------------|
| C14 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C15 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C16 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C17 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| C18 | 4030002430 | Ceramic | GRM40 TH 220J 50P T |
| C19 | 4030001100 | Ceramic | GRM40 B 102K 50PT |
| C20 | 4030001100 | Ceramic | GRM40 B 102K 50PT |
| C21 | 4030001150 | Ceramic | GRM40 F 104Z 25PT |
| EP1 | 0910028230 | P.C. Board | B 2853 (144 DDS) |

[PLL-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------|
| IC1 | 1130000140 | IC | TC4071BP |
| IC2 | 1130002960 | IC | TC9181P |
| IC3 | 1110001560 | IC | MB504LP-G |
| IC4 | 1120000100 | IC | M74LS90P |
| IC5 | 1110002030 | IC | TA7808S |
| IC6 | 1180000010 | IC | TA78L005AP |
| IC7 | 1790000050 | IC | ND487C1-3R |
| Q1 | 1580000130 | FET | 2SK125 |
| Q2 | 1530002210 | Transistor | 2SC3776-D |
| Q3 | 1530000150 | Transistor | 2SC2668-O |
| Q4 | 1590000360 | Transistor | RN2202 |
| Q5 | 1590000340 | Transistor | RN1202 |
| Q6 | 1530002210 | Transistor | 2SC3776-D |
| Q7 | 1530000150 | Transistor | 2SC2668-O |
| Q8 | 1530000150 | Transistor | 2SC2668-O |
| Q9 | 1530002210 | Transistor | 2SC3776-D |
| Q10 | 1590000340 | Transistor | RN1202 |
| Q11 | 1530000940 | Transistor | 2SC1571G |
| Q12 | 1530000940 | Transistor | 2SC1571G |
| Q13 | 1560000130 | FET | 2SK125 |
| Q14 | 1530000940 | Transistor | 2SC1571G |
| Q15 | 1510000070 | Transistor | 2SA1048-Y |
| Q16 | 1530000150 | Transistor | 2SC2668-O |
| Q17 | 1530000591 | Transistor | 2SC2785 EL |
| Q18 | 1530000150 | Transistor | 2SC2668-O |
| Q19 | 1530000150 | Transistor | 2SC2668-O |
| Q20 | 1580000110 | FET | 3SK74 M |
| Q21 | 1530000150 | Transistor | 2SC2668-O |
| Q24 | 1530000591 | Transistor | 2SC2785 EL |
| Q25 | 1560000090 | FET | 2SK192A-GR |
| Q27 | 1530000150 | Transistor | 2SC2668-O |
| D2 | 1720000290 | Varicap | 1T32 |
| D3 | 1710000050 | Diode | 1SS53 |
| D4 | 1710000160 | Diode | 1SS133 |
| D6 | 1710000160 | Diode | 1SS133 |
| D9 | 1720000060 | Varicap | 1SV50(1)E |
| L1 | 6140000580 | Coil | LR-79 |
| L2 | 6180001380 | Coil | LAL 02KR 1R0K |
| L3 | 6110001530 | Coil | LA-233 |
| L4 | 6150000990 | Coil | LS-114 |
| L5 | 6150000990 | Coil | LS-114 |
| L6 | 6110001680 | Coil | LA-252 |
| L7 | 6110001980 | Coil | LA-222 |
| L8 | 6180002400 | Coil | LAL 02NA 1R0K |
| L9 | 6180000770 | Coil | LAL 03NA 1R0M |
| L10 | 6180002400 | Coil | LAL 02NA 1R0K |
| L11 | 6180000730 | Coil | LAL 03NA R47M |
| L12 | 6180001410 | Coil | LAL 02KR 100K |
| L13 | 6110001520 | Coil | LA-232 |
| L14 | 6180000770 | Coil | LAL 03NA 1R0M |

[PLL-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------|
| L15 | 6110001520 | Coil | LA-232 |
| L16 | 6110001520 | Coil | LA-232 |
| L17 | 6110002130 | Coil | LA-383 |
| L18 | 6110002010 | Coil | LA-224 |
| L19 | 6110001540 | Coil | LA-234 |
| L20 | 6180001380 | Coil | LAL 02KR 1R0K |
| L21 | 6180001410 | Coil | LAL 02KR 100K |
| L22 | 6110001980 | Coil | LA-222 |
| L23 | 6110001530 | Coil | LA-233 |
| L24 | 6150001310 | Coil | LS-145 |
| L25 | 6150001310 | Coil | LS-145 |
| L26 | 6180000900 | Coil | LAL 03NA 101K |
| L27 | 6180000900 | Coil | LAL 03NA 101K |
| L28 | 6140000580 | Coil | LR-79 |
| L29 | 6110001540 | Coil | LA-234 |
| L30 | 6180000880 | Coil | LAL 03NA 100K |
| L31 | 6150001310 | Coil | LS-145 |
| L32 | 6180000900 | Coil | LAL 03NA 101K |
| L33 | 6170000180 | Coil | LW-19 |
| L34 | 6110002130 | Coil | LA-383 |
| L35 | 6110002070 | Coil | LA-227 |
| L36 | 6110002040 | Coil | LA-225 |
| L37 | 6180002430 | Coil | LAL 04NA 470K |
| L38 | 6110001520 | Coil | LA-232 |
| L39 | 6110002040 | Coil | LA-225 |
| L43 | 6110001980 | Coil | LA-222 |
| L44 | 6180001300 | Coil | LAL 02NA 100K |
| L45 | 6180001380 | Coil | LAL 02KR 1R0K |
| L46 | 6180000770 | Coil | LAL 03NA 1R0M |
| L47 | 6180000770 | Coil | LAL 03NA 1R0M |
| L48 | 6180000770 | Coil | LAL 03NA 1R0M |
| L49 | 6180001380 | Coil | LAL 02KR 1R0K |
| L51 | 6180000770 | Coil | LAL 03NA 1R0M |
| L52 | 6180000770 | Coil | LAL 03NA 1R0M |
| L53 | 6180000770 | Coil | LAL 03NA 1R0M |
| L54 | 6180000770 | Coil | LAL 03NA 1R0M |
| L55 | 6180001380 | Coil | LAL 02KR 1R0K |
| L66 | 6180001380 | Coil | LAL 02KR 1R0K |
| L67 | 6180001380 | Coil | LAL 02KR 1R0K |
| L70 | 6140000930 | Coil | LR-116 |
| L71 | 6140000930 | Coil | LR-116 |
| L73 | 6180000900 | Coil | LAL 03NA 101K |
| L74 | 6180001380 | Coil | LAL 02KR 1R0K |
| L75 | 6180001380 | Coil | LAL 02KR 1R0K |
| L76 | 6180001370 | Coil | LAL 02KR R33K |
| L77 | 6170000220 | Coil | LW-24 |
| L78 | 6180000770 | Coil | LAL 03NA 1R0M |
| L79 | 6180001380 | Coil | LAL 02KR 1R0K |
| R1 | 7010004110 | Resistor | R20J 220 Ω |
| R2 | 7010003160 | Resistor | ELR20J 10 Ω |
| R3 | 7010004070 | Resistor | R20J 100 Ω |
| R4 | 7010001150 | Resistor | R25XJ 1 kΩ |
| R5 | 7010004160 | Resistor | R20J 560 Ω |
| R6 | 7010004090 | Resistor | R20J 150 Ω |
| R7 | 7010003420 | Resistor | ELR20J 1.5 kΩ |
| R8 | 7010004250 | Resistor | R20J 3.3 kΩ |
| R9 | 7010003320 | Resistor | ELR20J 220 Ω |
| R10 | 7010003420 | Resistor | ELR20J 1.5 kΩ |
| R11 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R12 | 7010003300 | Resistor | ELR20J 150 Ω |
| R13 | 7010003920 | Resistor | R20J 5.6 Ω |
| R14 | 7010004300 | Resistor | R20J 8.8 kΩ |
| R15 | 7010003280 | Resistor | ELR20J 100 Ω |
| R16 | 7010003330 | Resistor | ELR20J 270 Ω |
| R17 | 7010003190 | Resistor | ELR20J 18 Ω |
| R18 | 7010003330 | Resistor | ELR20J 270 Ω |
| R19 | 7010001030 | Resistor | R25XJ 100 Ω |
| R20 | 7010000940 | Resistor | R25XJ 18 Ω |
| R21 | 7010004120 | Resistor | R20J 270 Ω |
| R22 | 7010003480 | Resistor | ELR20J 3.3 kΩ |
| R23 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R24 | 7010003280 | Resistor | ELR20J 100 Ω |
| R25 | 7010003390 | Resistor | ELR20J 820 Ω |
| R26 | 7010003390 | Resistor | ELR20J 820 Ω |
| R27 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R28 | 7010004310 | Resistor | R20J 8.2 kΩ |

[PLL-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------|
| R29 | 7010004280 | Resistor | R20J 5.6 kΩ |
| R30 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R31 | 7010001280 | Resistor | R25XJ 10 kΩ |
| R32 | 7010004070 | Resistor | R20J 100 Ω |
| R33 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R34 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R35 | 7010003470 | Resistor | ELR20J 3.9 kΩ |
| R36 | 7010001030 | Resistor | R25XJ 100 Ω |
| R37 | 7010003950 | Resistor | R20J 10 Ω |
| R38 | 7010001030 | Resistor | R25XJ 100 Ω |
| R39 | 7010003410 | Resistor | ELR20J 1.2 kΩ |
| R40 | 7010003300 | Resistor | ELR20J 150 Ω |
| R42 | 7010003240 | Resistor | ELR20J 47 Ω |
| R43 | 7010003390 | Resistor | ELR20J 820 Ω |
| R44 | 7010003130 | Resistor | ELR20J 5.6 Ω |
| R45 | 7010003390 | Resistor | ELR20J 820 Ω |
| R46 | 7010004120 | Resistor | R20J 270 Ω |
| R47 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R48 | 7010003700 | Resistor | ELR20J 220 kΩ |
| R49 | 7010001210 | Resistor | R25XJ 3.3 kΩ |
| R50 | 7010003240 | Resistor | ELR20J 47 Ω |
| R52 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R53 | 7010003240 | Resistor | ELR20J 47 Ω |
| R54 | 7010004030 | Resistor | R20J 47 Ω |
| R55 | 7010003280 | Resistor | ELR20J 100 Ω |
| R56 | 7010004070 | Resistor | R20J 100 Ω |
| R57 | 7010003410 | Resistor | ELR20J 1.2 kΩ |
| R58 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R59 | 7510000090 | Thermistor | ERT-D2FGL202S |
| R60 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R61 | 7010003240 | Resistor | ELR20J 47 Ω |
| R62 | 7010001280 | Resistor | R25XJ 10 kΩ |
| R63 | 7010004070 | Resistor | R20J 100 Ω |
| R64 | 7010004190 | Resistor | R20J 1 kΩ |
| R65 | 7010003330 | Resistor | ELR20J 270 Ω |
| R66 | 7010003190 | Resistor | ELR20J 18 Ω |
| R67 | 7010003330 | Resistor | ELR20J 270 Ω |
| R68 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R69 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R70 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R71 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R72 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R73 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R74 | 7010003320 | Resistor | ELR20J 220 Ω |
| R76 | 7010004190 | Resistor | R20J 1 kΩ |
| R77 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R79 | 7010003330 | Resistor | ELR20J 270 Ω |
| R80 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R81 | 7010003280 | Resistor | ELR20J 100 Ω |
| R82 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R83 | 7010004370 | Resistor | R20J 22 kΩ |
| R84 | 7010003380 | Resistor | ELR20J 470 Ω |
| R85 | 7010003490 | Resistor | ELR20J 5.6 kΩ |
| R86 | 7010004110 | Resistor | R20J 220 Ω |
| R90 | 7010003810 | Resistor | ELR20J 2.2 MΩ |
| R91 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R93 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R94 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R95 | 7010003380 | Resistor | ELR20J 680 Ω |
| R96 | 7010004070 | Resistor | R20J 100 Ω |
| R102 | 7010003410 | Resistor | ELR20J 1.2 kΩ |
| R103 | 7010003490 | Resistor | ELR20J 5.6 kΩ |
| R104 | 7010003280 | Resistor | ELR20J 100 Ω |
| R105 | 7010003280 | Resistor | ELR20J 100 Ω |
| R106 | 7010003330 | Resistor | ELR20J 270 Ω |
| R107 | 7010003980 | Resistor | R20J 18 Ω |
| R108 | 7010003330 | Resistor | ELR20J 270 Ω |
| R118 | 7010004240 | Resistor | R20J 2.7 kΩ |
| R126 | 7010004120 | Resistor | R20J 270 Ω |
| R127 | 7010003980 | Resistor | R20J 18 Ω |
| R128 | 7010004120 | Resistor | R20J 270 Ω |
| R133 | 7510000090 | Thermistor | ERT-D2FGL202S |
| R135 | 7010004320 | Resistor | R20J 10 kΩ |
| R136 | 7010004090 | Resistor | R20J 150 Ω |
| C1 | 4010000860 | Ceramic | DD104 CH 080D 50V |
| C2 | 4010000820 | Ceramic | DD105 CH 330J 50V |

[PLL-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|----------------------|
| C3 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C4 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C5 | 4510003980 | Electrolytic | 10 MV 100 HWS (5X11) |
| C6 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C7 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C8 | 4510003980 | Electrolytic | 10 MV 100 HWS (5X11) |
| C9 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C10 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C11 | 4510003980 | Electrolytic | 10 MV 100 HWS (5X11) |
| C12 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C13 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C14 | 4010000800 | Ceramic | DD104 CK 010C 50V |
| C15 | 4010000140 | Ceramic | DD104 SL 120J 50V |
| C16 | 4010000120 | Ceramic | DD104 SL 100D 50V |
| C17 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C18 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C19 | 4010000090 | Ceramic | DD104 SL 070D 50V |
| C20 | 4010000040 | Ceramic | DD104 SL 020C 50V |
| C21 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C22 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C23 | 4610000770 | Trimmer | CV38D 1001 |
| C24 | 4010000680 | Ceramic | DD104 CH 080D 50V |
| C25 | 4010000680 | Ceramic | DD104 CH 080D 50V |
| C26 | 4010000600 | Ceramic | DD104 CK 010C 50V |
| C27 | 4010000650 | Ceramic | DD104 CH 050C 50V |
| C28 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C29 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C30 | 4010004640 | Ceramic | DD104 SL 130J 50V |
| C31 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C32 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C33 | 4010000150 | Ceramic | DD104 SL 150J 50V |
| C34 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C35 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C36 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C37 | 4010000670 | Ceramic | DD104 CH 070D 50V |
| C38 | 4010000650 | Ceramic | DD104 CH 050C 50V |
| C39 | 4010000650 | Ceramic | DD104 CH 050C 50V |
| C40 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C41 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C42 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C43 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C44 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C45 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C46 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C47 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C48 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C49 | 4010004640 | Ceramic | DD104 SL 130J 50V |
| C50 | 4010000270 | Ceramic | DD104 SL 510J 50V |
| C51 | 4010000160 | Ceramic | DD104 SL 180J 50V |
| C52 | 4010000240 | Ceramic | DD104 SL 390J 50V |
| C53 | 4020000670 | Cylinder | UP050 SL 470J |
| C54 | 4010000080 | Ceramic | DD104 SL 040C 50V |
| C55 | 4010000150 | Ceramic | DD104 SL 150J 50V |
| C56 | 4010000620 | Ceramic | DD104 CK 020C 50V |
| C57 | 4010000630 | Ceramic | DD104 CJ 030C 50V |
| C58 | 4010000630 | Ceramic | DD104 CJ 030C 50V |
| C59 | 4010000640 | Ceramic | DD104 CH 040C 50V |
| C60 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C61 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C62 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C63 | 4020000470 | Cylinder | UP050 SL 4R7K |
| C64 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C65 | 4010000610 | Ceramic | DD104 CK 1R5C 50V |
| C66 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C67 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C68 | 4010004640 | Ceramic | DD104 SL 130J 50V |
| C69 | 4010000120 | Ceramic | DD104 SL 100D 50V |
| C70 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C71 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C72 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C73 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C74 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C75 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C76 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C77 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C78 | 4010003290 | Ceramic | DD104 UJ 050C 50V |
| C79 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C80 | 4040000470 | Barrier Layer | RAU 04AK R35C |

[PLL-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|-----------------------------------|
| C81 | 4010003290 | Ceramic DD104 UJ 050C 50V |
| C82 | 4040000190 | Barrier Layer UAT 05X 103K |
| C83 | 4010000500 | Ceramic DD104 B 102K 50V |
| C84 | 4010000240 | Ceramic DD104 SL 390J 50V |
| C85 | 4010000340 | Ceramic DD105 SL 121J 50V |
| C86 | 4010000240 | Ceramic DD104 SL 390J 50V |
| C87 | 4040000260 | Barrier Layer UZE 08X 104M |
| C88 | 4040000190 | Barrier Layer UAT 05X 103K |
| C89 | 4010000500 | Ceramic DD104 B 102K 50V |
| C90 | 4010000150 | Ceramic DD104 SL 150J 50V |
| C91 | 4010000500 | Ceramic DD104 B 102K 50V |
| C92 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C93 | 4010004840 | Ceramic DD104 SL 130J 50V |
| C94 | 4010000620 | Ceramic DD104 CK 020C 50V |
| C95 | 4010000090 | Ceramic DD104 SL 070D 50V |
| C96 | 4550000380 | Tantalum DN 1V R47M |
| C97 | 4550000380 | Tantalum DN 1V R47M |
| C98 | 4550002450 | Tantalum DN 1V 1R5M |
| C99 | 4010001980 | Ceramic DD104 RH 070D 50V |
| C100 | 4010000780 | Ceramic DD104 CH 220J 50V |
| C101 | 4010000680 | Ceramic DD104 CH 080D 50V |
| C102 | 4550002040 | Tantalum DN 1A 330M |
| C103 | 4010000500 | Ceramic DD104 B 102K 50V |
| C104 | 4010000080 | Ceramic DD104 SL 080D 50V |
| C105 | 4020000010 | Cylinder UP125 SL 010M |
| C106 | 4010000280 | Ceramic DD104 SL 580J 50V |
| C107 | 4010000280 | Ceramic DD104 SL 580J 50V |
| C108 | 4010000280 | Ceramic DD104 SL 580J 50V |
| C109 | 4010000500 | Ceramic DD104 B 102K 50V |
| C110 | 4510003980 | Electrolytic 10 MV 100 HWS (5X11) |
| C111 | 4010000040 | Ceramic DD104 SL 020C 50V |
| C112 | 4510003780 | Electrolytic 10 MV 100 SW |
| C113 | 4010000280 | Ceramic DD104 SL 470J 50V |
| C114 | 4010000090 | Ceramic DD104 SL 070D 50V |
| C115 | 4510003920 | Electrolytic 16 MV 100 HW |
| C116 | 4510003890 | Electrolytic 16 MV 100 HW |
| C117 | 4010000500 | Ceramic DD104 B 102K 50V |
| C118 | 4510003890 | Electrolytic 16 MV 100 HW |
| C119 | 4010000640 | Ceramic DD104 CH 040C 50V |
| C120 | 4010000500 | Ceramic DD104 B 102K 50V |
| C121 | 4810001130 | Trimmer CVSSA1001 |
| C122 | 4010002400 | Ceramic DD104 SH 070D 50V |
| C123 | 4010000630 | Ceramic DD104 CJ 030C 50V |
| C124 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C125 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C126 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C127 | 4010000080 | Ceramic DD104 SL 040C 50V |
| C128 | 4010000800 | Ceramic DD105 CH 270J 50V |
| C129 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C130 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C131 | 4010000500 | Ceramic DD104 B 102K 50V |
| C132 | 4010000500 | Ceramic DD104 B 102K 50V |
| C133 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C134 | 4010000520 | Ceramic DD108 B 472K 50V |
| C135 | 4510003980 | Electrolytic 10 MV 100 HWS (5X11) |
| C136 | 4010000520 | Ceramic DD108 B 472K 50V |
| C137 | 4040000260 | Barrier Layer UZE 08X 104M |
| C138 | 4010000150 | Ceramic DD104 SL 150J 50V |
| C139 | 4040000260 | Barrier Layer UZE 08X 104M |
| C140 | 4010000140 | Ceramic DD104 SL 120J 50V |
| C141 | 4010000700 | Ceramic DD104 CH 100D 50V |
| C142 | 4010000280 | Ceramic DD104 SL 470J 50V |
| C143 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C144 | 4010000280 | Ceramic DD104 SL 470J 50V |
| C148 | 4010000500 | Ceramic DD104 B 102K 50V |
| C149 | 4040000260 | Barrier Layer UZE 08X 104M |
| C151 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C154 | 4510003790 | Electrolytic 16 MV 10 SW |
| C155 | 4510003790 | Electrolytic 16 MV 10 SW |
| C156 | 4040000260 | Barrier Layer UZE 08X 104M |
| C158 | 4010000500 | Ceramic DD104 B 102K 50V |
| C160 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C161 | 4010000380 | Ceramic DD107 SL 221J 50V |
| C165 | 4020000650 | Cylinder EP050 X 472M |
| C167 | 4010000180 | Ceramic DD104 SL 180J 50V |
| C168 | 4010000180 | Ceramic DD104 SL 180J 50V |
| C170 | 4040000260 | Barrier Layer UZE 08X 104M |
| C171 | 4010000380 | Ceramic DD107 SL 221J 50V |

[PLL-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|----------------------------|
| C172 | 4010000220 | Ceramic DD104 SL 330J 50V |
| C173 | 4010000500 | Ceramic DD104 B 102K 50V |
| C174 | 4040000260 | Barrier Layer UZE 08X 104M |
| C175 | 4510003790 | Electrolytic 16 MV 10 SW |
| C179 | 4010000140 | Ceramic DD104 SL 120J 50V |
| C180 | 4010000070 | Ceramic DD104 SL 050C 50V |
| C181 | 4040000260 | Barrier Layer UZE 08X 104M |
| C182 | 4010000500 | Ceramic DD104 B 102K 50V |
| C185 | 4010000500 | Ceramic DD104 B 102K 50V |
| C186 | 4040000260 | Barrier Layer UZE 08X 104M |
| C187 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C188 | 4040000260 | Barrier Layer UZE 08X 104M |
| C189 | 4010000500 | Ceramic DD104 B 102K 50V |
| C190 | 4010000520 | Ceramic DD108 B 472K 50V |
| C191 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C192 | 4010000500 | Ceramic DD104 B 102K 50V |
| C193 | 4010000480 | Ceramic DD104 B 471K 50V |
| C194 | 4010000480 | Ceramic DD104 B 471K 50V |
| C195 | 4010000480 | Ceramic DD104 B 471K 50V |
| C196 | 4010000480 | Ceramic DD104 B 471K 50V |
| C207 | 4010000500 | Ceramic DD104 B 102K 50V |
| C209 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C210 | 4010000080 | Ceramic DD104 SL 040C 50V |
| C214 | 4020000400 | Cylinder UP050 B 102K |
| C216 | 4010000500 | Ceramic DD104 B 102K 50V |
| C219 | 4010000140 | Ceramic DD104 SL 120J 50V |
| C221 | 4040000260 | Barrier Layer UZE 08X 104M |
| C222 | 4510003860 | Electrolytic 50 MV 3R3 SW |
| C223 | 4010000120 | Ceramic DD104 SL 100D 50V |
| C224 | 4040000260 | Barrier Layer UZE 08X 104M |
| EP1 | 0910024185 | P.C. Board B 2118E (PLL-B) |
| EP2 | 6910000630 | Bead core FSOH070RN |

[OSC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|-----------------------|
| IC | 1110002030 | IC TA7808S |
| Q1 | 1530000591 | Transistor 2SC2785 EL |
| Q2 | 1530000591 | Transistor 2SC2785 EL |
| Q3 | 1530000591 | Transistor 2SC2785 EL |
| Q4 | 1530000591 | Transistor 2SC2785 EL |
| Q5 | 1530000591 | Transistor 2SC2785 EL |
| L1 | 6910000670 | Coil BT01RN1-A61-001 |
| L2 | 6180001410 | Coil LAL 02KR 100K |
| L3 | 6180000880 | Coil LAL 03NA 100K |
| L4 | 6180000880 | Coil LAL 03NA 100K |
| L5 | 6180000880 | Coil LAL 03NA 100K |
| L6 | 6180000880 | Coil LAL 03NA 100K |
| L7 | 6180000880 | Coil LAL 03NA 100K |
| R1 | 7010004030 | Resistor R20J 47 Ω |
| R2 | 7010003580 | Resistor ELR20J 22 kΩ |
| R3 | 7010003530 | Resistor ELR20J 10 kΩ |
| R4 | 7010004030 | Resistor R20J 47 Ω |
| R5 | 7010004110 | Resistor R20J 220 Ω |
| R6 | 7010003580 | Resistor ELR20J 22 kΩ |
| R7 | 7010004320 | Resistor R20J 10 kΩ |
| R8 | 7010004030 | Resistor R20J 47 Ω |
| R9 | 7010003240 | Resistor ELR20J 47 Ω |
| R10 | 7010003580 | Resistor ELR20J 22 kΩ |
| R11 | 7010004320 | Resistor R20J 10 kΩ |
| R12 | 7010004030 | Resistor R20J 47 Ω |

[OSC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|-------------------|
| R13 | 7010004320 | Resistor | R20J 10 kΩ |
| R14 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R15 | 7010004320 | Resistor | R20J 10 kΩ |
| R16 | 7010004030 | Resistor | R20J 47 Ω |
| R17 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R18 | 7010003320 | Resistor | ELR20J 220 Ω |
| R21 | 7010003320 | Resistor | ELR20J 220 Ω |
| R24 | 7010003320 | Resistor | ELR20J 220 Ω |
| R27 | 7010003320 | Resistor | ELR20J 220 Ω |
| C1 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C2 | 4040000280 | Barrier Layer | UZE 08X 104M |
| C3 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C4 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C5 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C6 | 4510003920 | Electrolytic | 16 MV 100 HW |
| C7 | 4040000280 | Barrier Layer | UZE 08X 104M |
| C8 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C9 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C10 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C11 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C12 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C13 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C14 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C15 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C16 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C17 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C18 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C19 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C20 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C22 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C23 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C24 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C25 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C26 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C27 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C28 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C29 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C30 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C31 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| EP1 | 0910024233 | P.C. Board | B 2232C (OSC) |

[OSC (B) UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------|
| IC1 | 1180000820 | IC | TA78L05S |
| Q1 | 1530000150 | Transistor | 2SC2668-O |
| Q2 | 1530000150 | Transistor | 2SC2668-O |
| X1 | 6050006490 | Crystal | CR-292 |
| L1 | 6180000880 | Coil | LAL 03NA 100K |
| L2 | 6180000880 | Coil | LAL 03NA 100K |
| L3 | 6180000770 | Coil | LAL 03NA 1R0M |
| L4 | 6180001300 | Coil | LAL 02NA 100K |
| R1 | 7010003470 | Resistor | ELR20J 3.9 kΩ |
| R2 | 7010004210 | Resistor | R20J 1.5 kΩ |
| R3 | 7010003320 | Resistor | ELR20J 220 Ω |
| R4 | 7010003280 | Resistor | ELR20J 100 Ω |
| R5 | 7010004300 | Resistor | R20J 6.8 kΩ |

[OSC (B) UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|-------------------|
| R8 | 7010001180 | Resistor | R25XJ 1.8 kΩ |
| C1 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C2 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C3 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C4 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C5 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C6 | 4010000870 | Ceramic | DD104 CH 070D 50V |
| C7 | 4610000110 | Trimmer | CV05C1201 |
| C8 | 4010000940 | Ceramic | DD107 CH 101J 50V |
| C9 | 4010000940 | Ceramic | DD107 CH 101J 50V |
| C10 | 4010000830 | Ceramic | DD104 CJ 030C 50V |
| C11 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C12 | 4010000520 | Ceramic | DD108 B 472K 50V |
| EP1 | 0910024225 | P.C. Board | B 2233E (OSC(B)) |

[CTRL UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-----------------------------------------------|
| IC1 | 1110002040 | IC | TA7809S |
| Q1 | 1590000340 | Transistor | RN1202 |
| Q2 | 1590000340 | Transistor | RN1202 |
| Q3 | 1590000340 | Transistor | RN1202 |
| Q4 | 1590000340 | Transistor | RN1202 |
| Q5 | 1590000340 | Transistor | RN1202 |
| Q6 | 1590000340 | Transistor | RN1202 |
| Q7 | 1510000680 | Transistor | 2SA683-R |
| Q8 | 1510000680 | Transistor | 2SA683-R |
| Q9 | 1510000680 | Transistor | 2SA683-R |
| Q10 | 1510000680 | Transistor | 2SA683-R |
| Q11 | 1590000340 | Transistor | RN1202 |
| Q12 | 1530002650 | Transistor | 2SC1384-R |
| Q13 | 1530000591 | Transistor | 2SC2785 EL |
| Q14 | 1530002590 | Transistor | 2SC3422-Y |
| Q15 | 1530002590 | Transistor | 2SC3422-Y |
| Q16 | 1590000340 | Transistor | RN1202 |
| Q17 | 1590000340 | Transistor | RN1202 |
| Q18 | 1590000340 | Transistor | RN1202 |
| Q19 | 1590000340 | Transistor | RN1202 |
| Q20 | 1590000340 | Transistor | RN1202 |
| Q21 | 1590000340 | Transistor | RN1202 |
| Q22 | 1510000680 | Transistor | 2SA683-R |
| Q23 | 1510000680 | Transistor | 2SA683-R |
| Q24 | 1510000680 | Transistor | 2SA683-R |
| Q25 | 1510000680 | Transistor | 2SA683-R |
| Q26 | 1590000340 | Transistor | RN1202 |
| Q27 | 1530002650 | Transistor | 2SC1384-R |
| Q28 | 1530002590 | Transistor | 2SC3422-Y |
| Q29 | 1530000591 | Transistor | 2SC2785 EL |
| Q30 | 1530002590 | Transistor | 2SC3422-Y |
| D1 | 1710000180 | Diode | 1SS133 |
| D2 | 1710000180 | Diode | 1SS133 |
| D3 | 1710000180 | Diode | 1SS133 |
| D4 | 1710000180 | Diode | 1SS133 |
| D5 | 1710000180 | Diode | 1SS133 |
| D6 | 1710000050 | Diode | 1SS53 (EUR),(USA),(AUS),(SWE) |
| D6 | 1710000180 | Diode | 1SS133 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| D9 | 1710000180 | Diode | 1SS133 |
| D10 | 1710000180 | Diode | 1SS133 |
| D11 | 1710000180 | Diode | 1SS133 |

[CTRL UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------------------------------------------------------|
| D12 | 1710000180 | Diode | 1SS133 |
| D13 | 1710000180 | Diode | 1SS133 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| D14 | 1710000180 | Diode | 1SS133 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R1 | 7010003820 | Resistor | ELR20J 47 kΩ |
| R2 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R3 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R4 | 7010003820 | Resistor | ELR20J 47 kΩ |
| R5 | 7010003820 | Resistor | ELR20J 47 kΩ |
| R6 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R7 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R8 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R9 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R10 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R11 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R12 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R13 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R14 | 7310000720 | Trimmer | RH0651CJ3J0CA (222) (EUR),(USA),(AUS),(SWE) |
| R14 | 7310000740 | Trimmer | RH0651CS3J2KA (472) (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R15 | 7310000720 | Trimmer | RH0651CJ3J0CA (222) (EUR),(USA),(AUS),(SWE) |
| R15 | 7310000740 | Trimmer | RH0651CS3J2KA (472) (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R16 | 7010004640 | Resistor | R50XJ 3.3 Ω |
| R17 | 7010004250 | Resistor | R20J 3.3 kΩ |
| R18 | 7010004150 | Resistor | R20J 470 Ω |
| R19 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R20 | 7010004770 | Resistor | R50XJ 330 Ω |
| R21 | 7010003820 | Resistor | ELR20J 47 kΩ |
| R22 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R23 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R24 | 7010003820 | Resistor | ELR20J 47 kΩ |
| R25 | 7010003820 | Resistor | ELR20J 47 kΩ |
| R26 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R27 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R28 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R29 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R30 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R31 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R32 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R33 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R34 | 7010004250 | Resistor | R20J 3.3 kΩ |
| R35 | 7010004150 | Resistor | R20J 470 Ω |
| R36 | 7010004640 | Resistor | R50XJ 3.3 Ω |
| R37 | 7010004770 | Resistor | R50XJ 330 Ω |
| R38 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R39 | 7010001380 | Resistor | R25XJ 47 kΩ |
| R40 | 7010003400 | Resistor | ELR20J 1 kΩ (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R40 | 7010003380 | Resistor | ELR20J 470 Ω (EUR),(USA),(AUS),(SWE) |
| R41 | 7010003400 | Resistor | ELR20J 1 kΩ (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R41 | 7010003380 | Resistor | ELR20J 470 Ω (EUR),(USA),(AUS),(SWE) |
| C1 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C2 | 4010000500 | Ceramic | DD104 B 102K 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C3 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C4 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C5 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C6 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C7 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C8 | 4010000500 | Ceramic | DD104 B 102K 50V |

[CTRL UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|------------------|
| C9 | 4510003900 | Electrolytic | 18 MV 22 HW |
| C10 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C11 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C12 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C13 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C14 | 4510003980 | Electrolytic | 50 MV 1 HW |
| C15 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C16 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C17 | 4510003970 | Electrolytic | 50 MV 2R2 HW |
| C18 | 4510003870 | Electrolytic | 10 MV 22 HW |
| C19 | 4040000280 | Barrier Layer | UZE 08X 104M |
| C20 | 4040000280 | Barrier Layer | UZE 08X 104M |
| C21 | 4510003900 | Electrolytic | 18 MV 22 HW |
| C22 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C23 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C24 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C25 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C26 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C27 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C28 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C29 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C30 | 4510003900 | Electrolytic | 18 MV 22 HW |
| C31 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C32 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C33 | 4510003980 | Electrolytic | 50 MV 1 HW |
| C34 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C35 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C36 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C37 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C38 | 4510003970 | Electrolytic | 50 MV 2R2 HW |
| C39 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C40 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C41 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C42 | 4010000500 | Ceramic | DD104 B 102K 50V |
| EP1 | 0910022794 | P.C. Board | B 2225D (CTRL) |

[PA UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-----------------------------------------------|
| IC1 | 1150000830 | IC | SC1113 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| IC1 | 1150000180 | IC | SC1020 (EUR),(USA),(AUS),(SWE) |
| IC2 | 1150000170 | IC | SC1024 (EUR),(USA),(AUS),(SWE) |
| IC2 | 1150000840 | IC | SC1114 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| IC3 | 1150000140 | IC | SC1016 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| S1 | 8910000070 | Thermostat | OHD-3 80M |

[430 PA H UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|-----------------------|
| D1 | 1790000070 | Diode | 1SS237 |
| D2 | 1790000070 | Diode | 1SS237 |
| D3 | 1790000070 | Diode | 1SS237 |
| D4 | 1790000070 | Diode | 1SS237 |
| D6 | 1710000310 | Diode | MI407 |
| D7 | 1710000290 | Diode | MI308 |
| D8 | 1710000290 | Diode | MI308 |
| L1 | 6110001520 | Coil | LA-232 |
| L2 | 6110001600 | Coil | LA-243 |
| L4 | 6110001520 | Coil | LA-232 |
| L5 | 6110001570 | Coil | LA-237 |
| L6 | 6110001570 | Coil | LA-237 |
| L7 | 6110001520 | Coil | LA-232 |
| L8 | 6110001520 | Coil | LA-232 |
| L9 | 6110001520 | Coil | LA-232 |
| L10 | 6910000670 | Coil | BT01RN1-A61-001 |
| L11 | 6910000670 | Coil | BT01RN1-A61-001 |
| L12 | 6180000880 | Coil | LAL 03NA 100K |
| L13 | 6170000180 | Coil | LW-19 |
| L14 | 6180000880 | Coil | LAL 03NA 100K |
| R1 | 7100000510 | Resistor | CP-5AJ 0.012 Ω |
| R2 | 7010004190 | Resistor | R20J 1 k Ω |
| R3 | 7010003400 | Resistor | ELR20J 1 k Ω |
| R4 | 7010004270 | Resistor | R20J 4.7 k Ω |
| R5 | 7010003480 | Resistor | ELR20J 4.7 k Ω |
| R6 | 7010003480 | Resistor | ELR20J 4.7 k Ω |
| R9 | 7010004740 | Resistor | R50XJ 150 Ω |
| R10 | 7010004740 | Resistor | R50XJ 150 Ω |
| R11 | 7010004320 | Resistor | R20J 10 k Ω |
| R12 | 7010004200 | Resistor | R20J 1.2 k Ω |
| R13 | 7010004320 | Resistor | R20J 10 k Ω |
| R14 | 7010004200 | Resistor | R20J 1.2 k Ω |
| C1 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C2 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C3 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C4 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C5 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C6 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C7 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C8 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C9 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C10 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C11 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C12 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C13 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C14 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C15 | 4010003800 | Ceramic | DD06 SL 030C 500V |
| C20 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C21 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C22 | 4010003840 | Ceramic | DD06 SL 070D 500V |
| C23 | 4010003820 | Ceramic | DD06 SL 050C 500V |
| C24 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C25 | 4010003870 | Ceramic | DD06 SL 120K 500V |
| C26 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C27 | 4010003790 | Ceramic | DD06 SL 020C 500V |
| C28 | 4010003780 | Ceramic | DD06 SL 010C 500V |
| C29 | 4010003850 | Ceramic | DD06 SL 080D 500V |
| C30 | 4010003810 | Ceramic | DD06 SL 040C 500V |
| C31 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C32 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C36 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C37 | 4010000110 | Ceramic | DD104 SL 090D 50V |
| C38 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C39 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C40 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C41 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C42 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C43 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C44 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C45 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C46 | 4010003810 | Ceramic | DD06 SL 040C 500V |
| C47 | 4010003810 | Ceramic | DD06 SL 040C 500V |

[430 PA H UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|--------------------|
| C48 | 4010003820 | Ceramic | DD06 SL 050C 500V |
| C49 | 4010000500 | Ceramic | DD104 B 102K 50V |
| EP1 | 0910023075 | P.C. Board | B 2212E (430 PA H) |

[144 PA H UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|-----------------------|
| D1 | 1790000070 | Diode | 1SS237 |
| D2 | 1790000070 | Diode | 1SS237 |
| D3 | 1790000070 | Diode | 1SS237 |
| D4 | 1790000070 | Diode | 1SS237 |
| D6 | 1710000310 | Diode | MI407 |
| D7 | 1710000290 | Diode | MI308 |
| D8 | 1710000290 | Diode | MI308 |
| L1 | 6110001740 | Coil | LA-263 |
| L2 | 6110001740 | Coil | LA-263 |
| L3 | 6110001740 | Coil | LA-263 |
| L4 | 6110001670 | Coil | LA-253 |
| L5 | 6170000180 | Coil | LW-19 |
| L6 | 6170000070 | Coil | LW-9 |
| L7 | 6170000180 | Coil | LW-19 |
| L8 | 6110001550 | Coil | LA-235 |
| L9 | 6110001550 | Coil | LA-235 |
| L10 | 6910000670 | Coil | BT01RN1-A61-001 |
| L11 | 6910000670 | Coil | BT01RN1-A61-001 |
| R1 | 7100000510 | Resistor | CP-5AJ 0.012 Ω |
| R2 | 7010004190 | Resistor | R20J 1 k Ω |
| R3 | 7010003400 | Resistor | ELR20J 1 k Ω |
| R4 | 7010003480 | Resistor | ELR20J 4.7 k Ω |
| R5 | 7010003480 | Resistor | ELR20J 4.7 k Ω |
| R8 | 7010004740 | Resistor | R50XJ 150 Ω |
| R9 | 7010004740 | Resistor | R50XJ 150 Ω |
| R10 | 7010004320 | Resistor | R20J 10 k Ω |
| R11 | 7010004200 | Resistor | R20J 1.2 k Ω |
| R12 | 7010004320 | Resistor | R20J 10 k Ω |
| R13 | 7010004200 | Resistor | R20J 1.2 k Ω |
| C1 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C2 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C3 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C4 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C5 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C6 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C7 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C8 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C9 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C10 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C11 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C12 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C13 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C14 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C19 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C20 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C21 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C22 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C23 | 4010004120 | Ceramic | DD07 B 102K 500V |
| C24 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C25 | 4010003950 | Ceramic | DD06 SL 330K 500V |
| C26 | 4010003950 | Ceramic | DD06 SL 330K 500V |
| C27 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C28 | 4010004120 | Ceramic | DD07 B 102K 500V |

[144 PA H UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|--------------------|
| C29 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C30 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C31 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C33 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C34 | 4010000240 | Ceramic | DD104 SL 390J 50V |
| C35 | 4010000170 | Ceramic | DD104 SL 200J 50V |
| C36 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C37 | 4040000250 | Barrier Layer | UAT 08X 473M |
| C38 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C39 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C40 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C41 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C42 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C43 | 4010000500 | Ceramic | DD104 B 102K 50V |
| EP1 | 0910022913 | P.C. Board | B 2211C (144 PA H) |
| EP2 | 6910000630 | Bead core | FSOH070RN |

[144 PA L UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|-------------------|
| D1 | 1790000070 | Diode | 1SS237 |
| D2 | 1790000070 | Diode | 1SS237 |
| D3 | 1790000070 | Diode | 1SS237 |
| D4 | 1790000070 | Diode | 1SS237 |
| D6 | 1710000290 | Diode | MI308 |
| D7 | 1710000290 | Diode | MI308 |
| D8 | 1710000290 | Diode | MI308 |
| L1 | 6110001740 | Coil | LA-263 |
| L2 | 6110001740 | Coil | LA-263 |
| L3 | 6110001740 | Coil | LA-263 |
| L4 | 6110001670 | Coil | LA-253 |
| L5 | 6170000180 | Coil | LW-19 |
| L6 | 6170000070 | Coil | LW-9 |
| L7 | 6170000180 | Coil | LW-19 |
| L8 | 6110001550 | Coil | LA-235 |
| L9 | 6110001550 | Coil | LA-235 |
| L10 | 6910000670 | Coil | BT01RN1-A61-001 |
| L11 | 6910000670 | Coil | BT01RN1-A61-001 |
| R1 | 7080000150 | Resistor | RGB3L R15 |
| R2 | 7010001150 | Resistor | R25XJ 1 kΩ |
| R3 | 7010001150 | Resistor | R25XJ 1 kΩ |
| R4 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R5 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R8 | 7010004770 | Resistor | R50XJ 330 Ω |
| R9 | 7010004770 | Resistor | R50XJ 330 Ω |
| R10 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R11 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R12 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R13 | 7010004270 | Resistor | R20J 4.7 kΩ |
| C1 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C2 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C3 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C4 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C5 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C6 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C7 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C8 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C9 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C10 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C11 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C12 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C13 | 4010000380 | Ceramic | DD107 SL 221J 50V |

[144 PA L UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|--------------------|
| C14 | 4010003880 | Ceramic | DD08 SL 150K 500V |
| C19 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C20 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C21 | 4010003880 | Ceramic | DD08 SL 150K 500V |
| C22 | 4010003880 | Ceramic | DD08 SL 150K 500V |
| C23 | 4010004120 | Ceramic | DD07 B 102K 500V |
| C24 | 4010003880 | Ceramic | DD08 SL 150K 500V |
| C25 | 4010003950 | Ceramic | DD08 SL 330K 500V |
| C26 | 4010003950 | Ceramic | DD08 SL 330K 500V |
| C27 | 4010003880 | Ceramic | DD08 SL 150K 500V |
| C28 | 4010004120 | Ceramic | DD07 B 102K 500V |
| C29 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C30 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C31 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C33 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C34 | 4010000240 | Ceramic | DD104 SL 390J 50V |
| C35 | 4010000170 | Ceramic | DD104 SL 200J 50V |
| C36 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C37 | 4040000250 | Barrier Layer | UAT 08X 473M |
| C38 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C39 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C40 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C41 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C42 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C43 | 4010003790 | Ceramic | DD08 SL 020C 500V |
| EP1 | 0910023833 | P.C. Board | B 2227C (144 PA L) |
| EP2 | 6910000630 | Bead core | FSOH070RN |

[430 PA L UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|-------------------|
| D1 | 1790000070 | Diode | 1SS237 |
| D2 | 1790000070 | Diode | 1SS237 |
| D3 | 1790000070 | Diode | 1SS237 |
| D4 | 1790000070 | Diode | 1SS237 |
| D6 | 1710000290 | Diode | MI308 |
| D7 | 1710000290 | Diode | MI308 |
| D8 | 1710000290 | Diode | MI308 |
| L1 | 6110001520 | Coil | LA-232 |
| L2 | 6110001600 | Coil | LA-243 |
| L4 | 6110001520 | Coil | LA-232 |
| L5 | 6110001570 | Coil | LA-237 |
| L6 | 6110001570 | Coil | LA-237 |
| L7 | 6110001520 | Coil | LA-232 |
| L8 | 6110001520 | Coil | LA-232 |
| L9 | 6910000670 | Coil | BT01RN1-A61-001 |
| L10 | 6910000670 | Coil | BT01RN1-A61-001 |
| R1 | 7080000150 | Resistor | RGB3L R15 |
| R2 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R3 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R4 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R5 | 7010003450 | Resistor | ELR20J 2.7 kΩ |
| R6 | 7010003450 | Resistor | ELR20J 2.7 kΩ |
| R9 | 7010004770 | Resistor | R50XJ 330 Ω |
| R10 | 7010004770 | Resistor | R50XJ 330 Ω |
| R11 | 7010004250 | Resistor | R20J 3.3 kΩ |
| R13 | 7010004250 | Resistor | R20J 3.3 kΩ |
| C1 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C2 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C3 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C4 | 4010000500 | Ceramic | DD104 B 102K 50V |

[430 PA L UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|--------------------|
| C5 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C6 | 4510003930 | Electrolytic | 16 MV 470 HW |
| C7 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C8 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C9 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C10 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C11 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C12 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C13 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C14 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C15 | 4010003840 | Ceramic | DD06 SL 070D 500V |
| C20 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C21 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C22 | 4010003840 | Ceramic | DD06 SL 070D 500V |
| C23 | 4010003850 | Ceramic | DD06 SL 080D 500V |
| C24 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C25 | 4010003870 | Ceramic | DD06 SL 120K 500V |
| C26 | 4010003880 | Ceramic | DD06 SL 150K 500V |
| C27 | 4010003790 | Ceramic | DD06 SL 020C 500V |
| C28 | 4010003780 | Ceramic | DD06 SL 010C 500V |
| C29 | 4010003850 | Ceramic | DD06 SL 080D 500V |
| C30 | 4010003810 | Ceramic | DD06 SL 040C 500V |
| C31 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C32 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C36 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C37 | 4010000110 | Ceramic | DD104 SL 090D 50V |
| C38 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C39 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C40 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C41 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C42 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C43 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C44 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C45 | 4010000500 | Ceramic | DD104 B 102K 50V |
| EP1 | 0910023823 | P.C. Board | B 2228C (430 PA L) |

[DRIVER UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|----------------------|
| L1 | 6110001570 | Coil | LA-237 |
| L2 | 6110001520 | Coil | LA-232 |
| L3 | 6110001520 | Coil | LA-232 |
| R1 | 7010004120 | Resistor | R20J 270 Ω |
| R2 | 7010003980 | Resistor | R20J 18 Ω |
| R3 | 7010004120 | Resistor | R20J 270 Ω |
| C1 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C2 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C3 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C4 | 4510003980 | Electrolytic | 10 MV 100 HWS (5X11) |
| C5 | 4510003900 | Electrolytic | 16 MV 22 HW |
| C6 | 4510003900 | Electrolytic | 16 MV 22 HW |
| C7 | 4010003810 | Ceramic | DD06 SL 040C 500V |
| C8 | 4010003850 | Ceramic | DD06 SL 080D 500V |
| C9 | 4010003810 | Ceramic | DD06 SL 040C 500V |
| EP1 | 0910022942 | P.C. Board | B 2213B (DRIVER) |

[JACK-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-----------------|-------------------|
| Q1 | 1530002650 | Transistor | 2SC1384-R |
| D1 | 1710000160 | Diode | 1SS133 |
| L1 | 6910000670 | Coil | BT01RN1-A61-001 |
| L2 | 6910000670 | Coil | BT01RN1-A61-001 |
| L3 | 6910000670 | Coil | BT01RN1-A61-001 |
| L4 | 6910000670 | Coil | BT01RN1-A61-001 |
| L5 | 6910000670 | Coil | BT01RN1-A61-001 |
| L6 | 6910000670 | Coil | BT01RN1-A61-001 |
| L7 | 6910000670 | Coil | BT01RN1-A61-001 |
| L8 | 6910000670 | Coil | BT01RN1-A61-001 |
| L9 | 6910000670 | Coil | BT01RN1-A61-001 |
| L10 | 6910000670 | Coil | BT01RN1-A61-001 |
| L11 | 6910000670 | Coil | BT01RN1-A61-001 |
| L12 | 6910000670 | Coil | BT01RN1-A61-001 |
| L13 | 6910000670 | Coil | BT01RN1-A61-001 |
| L14 | 6910000670 | Coil | BT01RN1-A61-001 |
| L15 | 6910000670 | Coil | BT01RN1-A61-001 |
| L16 | 6910000670 | Coil | BT01RN1-A61-001 |
| L17 | 6910000670 | Coil | BT01RN1-A61-001 |
| L18 | 6910000670 | Coil | BT01RN1-A61-001 |
| L19 | 6910000670 | Coil | BT01RN1-A61-001 |
| L20 | 6180000770 | Coil | LAL 03NA 1R0M |
| L21 | 6180001380 | Coil | LAL 02KR 1R0K |
| R1 | 7510000130 | Thermistor | ERT-D2FHL333S |
| R2 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R3 | 7010003540 | Resistor | ELR20J 12 kΩ |
| C1 | 4530000030 | Capacitor Array | B5RC0124-32N |
| C2 | 4530000190 | Capacitor Array | B7ZC0716-32N |
| C3 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C4 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C5 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C6 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C7 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C8 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C9 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C10 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C11 | 4010000500 | Ceramic | DD104 B 102K 50V |
| EP1 | 0910023904 | P.C. Board | B 2279D (JACK-A) |

[JACK-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------|
| L1 | 6910000670 | Coil | BT01RN1-A61-001 |
| L2 | 6910000670 | Coil | BT01RN1-A61-001 |
| L3 | 6910000670 | Coil | BT01RN1-A61-001 |
| L4 | 6180001490 | Coil | LAL 02KR 101K |
| C1 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C2 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C3 | 4010000500 | Ceramic | DD104 B 102K 50V |
| EP1 | 0910024363 | P.C. Board | B 2285C (JACK-B) |

[CONNECT UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------|
| D1 | 1710000010 | Diode | 15CD11 |
| EP1 | 0910023932 | P.C. Board | B 2313B (CONNECT) |

[RF-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------|
| Q1 | 1560000100 | FET | 2SK241-Y |
| Q2 | 1560000100 | FET | 2SK241-Y |
| Q3 | 1530001810 | Transistor | 2SC3355 |
| Q4 | 1530000810 | Transistor | 2SC2053 |
| Q5 | 1530000770 | Transistor | 2SC1947 |
| Q6 | 1560000130 | FET | 2SK125 |
| Q7 | 1560000130 | FET | 2SK125 |
| Q8 | 1580000050 | FET | 3SK121-Y |
| Q9 | 1590000350 | Transistor | RN1204 |
| Q10 | 1590000380 | Transistor | RN2202 |
| Q11 | 1590000380 | Transistor | RN2202 |
| Q12 | 1530000810 | Transistor | 2SC2053 |
| Q13 | 1590000350 | Transistor | RN1204 |
| Q14 | 1590000380 | Transistor | RN2202 |
| Q15 | 1530001810 | Transistor | 2SC3355 |
| Q16 | 1590000350 | Transistor | RN1204 |
| Q17 | 1590000350 | Transistor | RN1204 |
| Q18 | 1590000350 | Transistor | RN1204 |
| | | | |
| D1 | 1710000050 | Diode | 1SS53 |
| D2 | 1710000040 | Diode | 1S953 |
| D3 | 1710000050 | Diode | 1SS53 |
| D4 | 1710000050 | Diode | 1SS53 |
| D5 | 1710000050 | Diode | 1SS53 |
| D6 | 1710000050 | Diode | 1SS53 |
| D7 | 1710000160 | Diode | 1SS133 |
| D8 | 1710000280 | Diode | MI301 |
| D9 | 1710000160 | Diode | 1SS133 |
| D10 | 1710000280 | Diode | MI301 |
| D11 | 1710000580 | Diode | 1SS285 |
| D12 | 1710000580 | Diode | 1SS285 |
| D13 | 1710000580 | Diode | 1SS285 |
| D14 | 1720000080 | Varicap | 1SV50(1)E |
| D15 | 1720000080 | Varicap | 1SV50(1)E |
| D16 | 1720000080 | Varicap | 1SV50(1)E |
| D17 | 1710000580 | Diode | 1SS285 |
| D18 | 1710000280 | Diode | MI301 |
| D19 | 1710000040 | Diode | 1S953 |
| D20 | 1710000160 | Diode | 1SS133 |
| D21 | 1790000240 | Diode | 1SS99 |
| | | | |
| L1 | 6150001480 | Coil | LS-164 |
| L2 | 6150001310 | Coil | LS-145 |
| L3 | 6130000660 | Coil | LB-83 |
| L4 | 6130000020 | Coil | LB-1-1A |
| L5 | 6130000340 | Coil | LB-50A |
| L6 | 6110001660 | Coil | LA-252 |
| L7 | 6130000660 | Coil | LB-83 |
| L8 | 6130000340 | Coil | LB-50A |
| L9 | 6110001750 | Coil | LA-264 |
| L10 | 6180000770 | Coil | LAL 03NA 1R0M |
| L11 | 6110001520 | Coil | LA-232 |
| L12 | 6110001650 | Coil | LA-248 |
| L13 | 6110001670 | Coil | LA-253 |
| L14 | 6150002200 | Coil | LS-228 |
| L15 | 6140001200 | Coil | LR-145 |
| L16 | 6110001550 | Coil | LA-235 |
| L17 | 6130000340 | Coil | LB-50A |
| L18 | 6130000020 | Coil | LB-1-1A |

[RF-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------------------------------------------------|
| L19 | 6130000170 | Coil | LB-34A |
| L20 | 6130000170 | Coil | LB-34A |
| L21 | 6130000340 | Coil | LB-50A |
| L22 | 6140000930 | Coil | LR-116 |
| L23 | 6110001540 | Coil | LA-234 |
| L24 | 6110001540 | Coil | LA-234 |
| L25 | 6150002880 | Coil | LS-302 |
| L26 | 6150002880 | Coil | LS-302 |
| L27 | 6150002880 | Coil | LS-302 |
| L28 | 6110001620 | Coil | LA-245 |
| L29 | 6110001610 | Coil | LA-244 |
| L30 | 6110001620 | Coil | LA-245 |
| L31 | 6110001530 | Coil | LA-233 |
| L32 | 6110001550 | Coil | LA-235 |
| | | | |
| R1 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R2 | 7310003170 | Trimmer | EVN-2ACA00 B53 (502) (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R2 | 7310003180 | Trimmer | EVN-2ACA00 B24 (203) (EUR),(USA),(AUS),(SWE) |
| R3 | 7310003180 | Trimmer | EVN-2ACA00 B13 (102) |
| R4 | 7010004070 | Resistor | R20J 100 Ω |
| R5 | 7010000990 | Resistor | R25XJ 47 Ω |
| R6 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R7 | 7010003470 | Resistor | ELR20J 3.9 kΩ |
| R8 | 7010004690 | Resistor | R50XJ 47 Ω |
| R9 | 7010003420 | Resistor | ELR20J 1.5 kΩ |
| R11 | 7010003880 | Resistor | R20J 2.7 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R12 | 7010003090 | Resistor | ELR20J 2.7 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R13 | 7010003360 | Resistor | ELR20J 470 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R14 | 7010003360 | Resistor | ELR20J 470 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R15 | 7010003930 | Resistor | R20J 6.8 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R16 | 7010004030 | Resistor | R20J 47 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R17 | 7010004650 | Resistor | R50XJ 10 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R18 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R19 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R20 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R21 | 7010004030 | Resistor | R20J 47 Ω |
| R22 | 7310003180 | Trimmer | EVN-2ACA00 B24 (203) |
| R23 | 7010003360 | Resistor | ELR20J 470 Ω |
| R24 | 7010003360 | Resistor | ELR20J 470 Ω |
| R25 | 7010004190 | Resistor | R20J 1 kΩ |
| R26 | 7010003300 | Resistor | ELR20J 150 Ω |
| R27 | 7010004260 | Resistor | R20J 3.9 kΩ |
| R28 | 7010004330 | Resistor | R20J 12 kΩ |
| R29 | 7010004030 | Resistor | R20J 47 Ω |
| R30 | 7010004030 | Resistor | R20J 47 Ω |
| R31 | 7010003280 | Resistor | ELR20J 100 Ω |
| R32 | 7010004450 | Resistor | R20J 100 kΩ |
| R34 | 7010003600 | Resistor | ELR20J 33 kΩ |
| R35 | 7010004330 | Resistor | R20J 12 kΩ |
| R36 | 7010003470 | Resistor | ELR20J 3.9 kΩ |
| R37 | 7010004070 | Resistor | R20J 100 Ω |
| R38 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R39 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R40 | 7010000790 | Resistor | R25XJ 1 Ω |
| R41 | 7010003300 | Resistor | ELR20J 150 Ω |
| R43 | 7010004170 | Resistor | R20J 680 Ω |
| R44 | 7010004200 | Resistor | R20J 1.2 kΩ |
| R45 | 7010004410 | Resistor | R20J 47 kΩ |
| R46 | 7010004030 | Resistor | R20J 47 Ω |
| R47 | 7010004450 | Resistor | R20J 100 kΩ |
| R48 | 7010004450 | Resistor | R20J 100 kΩ |

[RF-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|----------------------------------------------------------|
| R49 | 7010004450 | Resistor | R20J 100 kΩ |
| R50 | 7010004050 | Resistor | R20J 68 Ω |
| R51 | 7010004170 | Resistor | R20J 680 Ω |
| R52 | 7010003290 | Resistor | ELR20J 120 Ω |
| R53 | 7010004030 | Resistor | R20J 47 Ω |
| R56 | 7010003380 | Resistor | ELR20J 470 Ω |
| R57 | 7010004250 | Resistor | R20J 3.3 kΩ |
| R58 | 7010003470 | Resistor | ELR20J 3.9 kΩ |
| R59 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R60 | 7010004220 | Resistor | R20J 1.8 kΩ |
| R61 | 7010003310 | Resistor | ELR20J 180 Ω |
| R62 | 7010003280 | Resistor | ELR20J 100 Ω |
| R63 | 7010003600 | Resistor | ELR20J 33 kΩ |
| R64 | 7010003240 | Resistor | ELR20J 47 Ω |
| R65 | 7010003320 | Resistor | ELR20J 220 Ω |
| R66 | 7010003160 | Resistor | ELR20J 10 Ω |
| R67 | 7010001190 | Resistor | R25XJ 2.2 kΩ |
| R68 | 7010004190 | Resistor | R20J 1 kΩ |
| R69 | 7010003470 | Resistor | ELR20J 3.9 kΩ |
| R70 | 7010004010 | Resistor | R20J 33 Ω |
| | | | |
| C2 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C3 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C4 | 4010000220 | Ceramic | DD104 SL 330J 50V |
| C5 | 4010000220 | Ceramic | DD104 SL 330J 50V |
| C6 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C7 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C8 | 4610000770 | Trimmer | CV38D 1001 |
| C9 | 4010000760 | Ceramic | DD104 CH 180J 50V |
| C10 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C11 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C12 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C13 | 4010000200 | Ceramic | DD104 SL 270J 50V |
| C14 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C15 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C16 | 4610000780 | Trimmer | CV38D 2001 |
| C17 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C18 | 4010000150 | Ceramic | DD104 SL 150J 50V |
| C19 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C20 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C21 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C22 | 4010000340 | Ceramic | DD105 SL 121J 50V |
| C23 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C24 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C25 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C26 | 4010000340 | Ceramic | DD105 SL 121J 50V |
| C27 | 4010000500 | Ceramic | DD104 B 102K 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C28 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C29 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C30 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C31 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C32 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C33 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C34 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C35 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C36 | 4010003280 | Ceramic | DD104 UJ 050C 50V |
| C37 | 4010000190 | Ceramic | DD104 SL 240J 50V |
| C38 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C39 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C40 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C41 | 4010000500 | Ceramic | DD104 B 102K 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C42 | 4010000500 | Ceramic | DD104 B 102K 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C43 | 4610000800 | Trimmer | CV38B 0801 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C44 | 4010000220 | Ceramic | DD104 SL 330J 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C45 | 4610000790 | Trimmer | CV38E 3001 (EUR-H),(USA-H), (AUS-H),(SWE-H) |

[RF-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|----------------------------------------------------------|
| C46 | 4010000180 | Ceramic | DD104 SL 220J 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C47 | 4010000150 | Ceramic | DD104 SL 150J 50V |
| C48 | 4010000500 | Ceramic | DD104 B 102K 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C49 | 4040000280 | Barrier Layer | UZE 08X 104M (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C50 | 4510003910 | Electrolytic | 16 MV 47 HW (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C51 | 4010000500 | Ceramic | DD104 B 102K 50V (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| C53 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C54 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C55 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C56 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C57 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C58 | 4010000170 | Ceramic | DD104 SL 200J 50V |
| C59 | 4010000120 | Ceramic | DD104 SL 100D 50V |
| C60 | 4010000100 | Ceramic | DD104 SL 080D 50V |
| C61 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C62 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C63 | 4010000160 | Ceramic | DD104 SL 180J 50V |
| C64 | 4010000020 | Ceramic | DD104 SL 010C 50V |
| C65 | 4010000010 | Ceramic | DD104 SL 0R5C 50V |
| C66 | 4010000160 | Ceramic | DD104 SL 180J 50V |
| C68 | 4010000010 | Ceramic | DD104 SL 0R5C 50V |
| C69 | 4010000160 | Ceramic | DD104 SL 180J 50V |
| C70 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C71 | 4010000020 | Ceramic | DD104 SL 010C 50V |
| C72 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C73 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C74 | 4010000380 | Ceramic | DD107 SL 221J 50V |
| C75 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C76 | 4020000770 | Cylinder | UP050 SL 200J |
| C77 | 4010000220 | Ceramic | DD104 SL 330J 50V |
| C78 | 4020000620 | Cylinder | UP050 SL 220J |
| C79 | 4010000180 | Ceramic | DD104 SL 180J 50V |
| C80 | 4010000180 | Ceramic | DD104 SL 240J 50V |
| C81 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C82 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C83 | 4010000650 | Ceramic | DD104 CH 050C 50V |
| C84 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C85 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C86 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C87 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C88 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C89 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C91 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C92 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C93 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C94 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C95 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C96 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C97 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C98 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C99 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C100 | 4510003910 | Electrolytic | 16 MV 47 HW |
| C101 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C102 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C103 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C104 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C105 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C106 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C107 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C108 | 4010003290 | Ceramic | DD104 UJ 050C 50V |
| C109 | 4040000150 | Barrier Layer | UAT 05X 472K |
| EP1 | 0910023585 | P.C. Board | B 2250E (RF-A) |

[RF-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|----------------------------------------------------|
| IC1 | 1790000050 | IC | ND487C1-3R |
| IC2 | 8910000200 | IC | DM 412E H |
| IC3 | 1790000050 | IC | ND487C1-3R |
| Q1 | 1530000250 | Transistor | 2SC783 C |
| Q2 | 1530001810 | Transistor | 2SC3355 |
| Q3 | 1530001810 | Transistor | 2SC3355 |
| Q4 | 1530000840 | Transistor | 2SC2407(A) (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| Q4 | 1530000900 | Transistor | 2SC3019 (EUR),(USA),(AUS),(SWE) |
| Q5 | 1530000150 | Transistor | 2SC2888-O |
| Q6 | 1530001810 | Transistor | 2SC3355 |
| Q7 | 1580000110 | FET | 3SK74 M |
| Q8 | 1580000110 | FET | 3SK74 M |
| Q9 | 1530000520 | Transistor | 2SC2028 |
| Q10 | 1530000520 | Transistor | 2SC2028 |
| Q11 | 1530002210 | Transistor | 2SC3778-D |
| Q12 | 1580000050 | FET | 3SK121-Y |
| Q13 | 1590000350 | Transistor | RN1204 |
| Q14 | 1590000350 | Transistor | RN1204 |
| Q15 | 1590000350 | Transistor | RN1204 |
| D1 | 1710000050 | Diode | 1SS53 |
| D2 | 1710000410 | Diode | MI105 |
| D3 | 1710000410 | Diode | MI105 |
| D4 | 1710000030 | Diode | 1S1555 (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| D5 | 1710000410 | Diode | MI105 |
| D6 | 1710000050 | Diode | 1SS53 |
| D7 | 1710000050 | Diode | 1SS53 |
| D8 | 1710000180 | Diode | 1SS133 |
| D9 | 1710000180 | Diode | 1SS133 |
| D10 | 1710000050 | Diode | 1SS53 |
| D11 | 1710000050 | Diode | 1SS53 |
| D12 | 1710000580 | Diode | 1SS285 |
| D13 | 1710000580 | Diode | 1SS285 |
| D14 | 1710000580 | Diode | 1SS285 |
| D15 | 1710000410 | Diode | MI105 |
| D16 | 1710000580 | Diode | 1SS285 |
| D17 | 1710000280 | Diode | MI301 |
| D18 | 1710000030 | Diode | 1S1555 |
| D19 | 1710000050 | Diode | 1SS53 |
| FI1 | 2010001110 | Filter | 71M15A1 (FL-131) |
| FI2 | 2010001100 | Filter | 71M15A (FL-130) |
| L1 | 6150002990 | Coil | LS-310 |
| L2 | 6150002890 | Coil | LS-303 |
| L3 | 6140000930 | Coil | LR-118 |
| L4 | 6150002550 | Coil | LS-284 |
| L5 | 6150002550 | Coil | LS-284 |
| L6 | 6150000990 | Coil | LS-114 |
| L7 | 6150002550 | Coil | LS-284 |
| L8 | 6190000050 | Coil | 7HW-252MX-1550A (EUR),(EUR-H), (SWE),(SWE-H) |
| L8 | 6190000270 | Coil | 7HW-252MXP-2241A (USA),(USA-H),(AUS),(AUS-H) |
| L9 | 6180000770 | Coil | LAL 03NA 1R0M |
| L10 | 6180000770 | Coil | LAL 03NA 1R0M |
| L12 | 6190000050 | Coil | 7HW-252MX-1550A (EUR),(EUR-H) (SWE),(SWE-H) |
| L12 | 6190000270 | Coil | 7HW-252MXP-2241A (USA),(USA-H),(AUS),(AUS-H) |
| L13 | 6180000770 | Coil | LAL 03NA 1R0M |
| L14 | 6110001990 | Coil | LA-223 |
| L15 | 6180000770 | Coil | LAL 03NA 1R0M |
| L16 | 6110001980 | Coil | LA-222 |
| L19 | 6110001980 | Coil | LA-222 |

[RF-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-----------------------------------------------------|
| L20 | 6150002990 | Coil | LS-310 |
| L21 | 6150002890 | Coil | LS-303 |
| L22 | 6140001800 | Coil | LR-178 |
| L23 | 6180001380 | Coil | LAL 02KR 1R0K |
| L24 | 6150002550 | Coil | LS-284 |
| L25 | 6150002550 | Coil | LS-284 |
| L26 | 6180000770 | Coil | LAL 03NA 1R0M |
| L27 | 6180001380 | Coil | LAL 02KR 1R0K |
| L28 | 6110001810 | Coil | LA-244 |
| L29 | 6110001530 | Coil | LA-233 |
| L30 | 6110001530 | Coil | LA-233 |
| L31 | 6150000990 | Coil | LS-114 |
| L32 | 6150002430 | Coil | LS-254 |
| L33 | 6150002430 | Coil | LS-254 |
| L34 | 6150000990 | Coil | LS-114 |
| L35 | 6150002430 | Coil | LS-254 |
| L36 | 6150002430 | Coil | LS-254 |
| L37 | 6150001310 | Coil | LS-145 |
| L38 | 6140001200 | Coil | LR-145 |
| L39 | 6180000770 | Coil | LAL 03NA 1R0M |
| L40 | 6190000050 | Coil | 7HW-252MX-1550A (EUR),(EUR-H), (SWE),(SWE-H) |
| L40 | 6190000270 | Coil | 7HW-252MXP-2241A (USA),(USA-H),(AUS),(AUS-H) |
| L41 | 6190000050 | Coil | 7HW-252MX-1550A (EUR),(EUR-H), (SWE),(SWE-H) |
| L41 | 6190000270 | Coil | 7HW-252MXP-2241A (USA),(USA-H),(AUS),(AUS-H) |
| L42 | 6170000180 | Coil | LW-19 |
| L43 | 6110001830 | Coil | LA-159 |
| L44 | 6180001380 | Coil | LAL 02KR 1R0K |
| L46 | 6180002400 | Coil | LAL 02NA 1R0K |
| L47 | 6150002550 | Coil | LS-284 |
| L48 | 6110001550 | Coil | LA-235 (USA),(USA-H),(AUS),(AUS-H) |
| R1 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R2 | 7010004120 | Resistor | R20J 270 Ω |
| R4 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R5 | 7010004370 | Resistor | R20J 22 kΩ |
| R6 | 7010003180 | Resistor | ELR20J 10 Ω |
| R7 | 7010004070 | Resistor | R20J 100 Ω |
| R8 | 7010003330 | Resistor | ELR20J 270 Ω |
| R9 | 7010003190 | Resistor | ELR20J 18 Ω |
| R10 | 7010003330 | Resistor | ELR20J 270 Ω |
| R11 | 7010003390 | Resistor | ELR20J 820 Ω |
| R12 | 7010003130 | Resistor | ELR20J 5.6 Ω |
| R13 | 7010005230 | Resistor | ELR20J 750 Ω |
| R14 | 7010003270 | Resistor | ELR20J 82 Ω |
| R15 | 7010004130 | Resistor | R20J 330 Ω |
| R16 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R17 | 7010003510 | Resistor | ELR20J 6.8 kΩ |
| R18 | 7010004070 | Resistor | R20J 100 Ω |
| R19 | 7010003320 | Resistor | ELR20J 220 Ω |
| R20 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R21 | 7010003490 | Resistor | ELR20J 5.6 kΩ |
| R22 | 7010004030 | Resistor | R20J 47 Ω |
| R23 | 7010000140 | Resistor | ELR25J 12 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R23 | 7010000170 | Resistor | ELR25J 22 Ω (EUR),(USA),(AUS),(SWE) |
| R24 | 7010004280 | Resistor | R20J 3.9 kΩ (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R24 | 7010004250 | Resistor | R20J 3.3 kΩ (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R25 | 7010003400 | Resistor | ELR20J 1 kΩ (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R25 | 7010003330 | Resistor | ELR20J 270 Ω (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R26 | 7010004230 | Resistor | R20J 2.2 kΩ |

[RF-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|-----------------------------------------|
| R27 | 7010003330 | Resistor | ELR20J 270 Ω |
| R28 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R29 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R30 | 7010003330 | Resistor | ELR20J 270 Ω |
| R31 | 7010003340 | Resistor | ELR20J 330 Ω |
| R32 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R34 | 7010004070 | Resistor | R20J 100 Ω |
| R35 | 7010003460 | Resistor | ELR20J 3.3 kΩ |
| R36 | 7010004370 | Resistor | R20J 22 kΩ |
| R37 | 7010004070 | Resistor | R20J 100 Ω |
| R38 | 7010004120 | Resistor | R20J 270 Ω |
| R39 | 7010004070 | Resistor | R20J 100 Ω |
| R40 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R41 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R42 | 7010004070 | Resistor | R20J 100 Ω |
| R43 | 7310003240 | Trimmer | EVN-2ACA00 B23 (202) |
| R44 | 7010003240 | Resistor | ELR20J 47 Ω |
| R45 | 7510000300 | Thermistor | ERT-D2ZGL801S |
| R47 | 7010003200 | Resistor | ELR20J 22 Ω |
| R48 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R49 | 7310003240 | Trimmer | EVN-2ACA00 B23 (202) |
| R50 | 7010003240 | Resistor | ELR20J 47 Ω |
| R51 | 7510000300 | Thermistor | ERT-D2ZGL801S |
| R53 | 7010003200 | Resistor | ELR20J 22 Ω |
| R54 | 7010004230 | Resistor | R20J 2.2 kΩ |
| R55 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R56 | 7010004090 | Resistor | R20J 150 Ω |
| R57 | 7010004070 | Resistor | R20J 100 Ω |
| R58 | 7010004180 | Resistor | R20J 580 Ω |
| R59 | 7010003180 | Resistor | ELR20J 10 Ω |
| R60 | 7010003950 | Resistor | R20J 10 Ω |
| R61 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R62 | 7010004130 | Resistor | R20J 330 Ω |
| R63 | 7010004190 | Resistor | R20J 1 kΩ |
| R64 | 7010003280 | Resistor | ELR20J 100 Ω |
| R65 | 7010003220 | Resistor | ELR20J 33 Ω |
| R66 | 7010003310 | Resistor | ELR20J 180 Ω |
| R67 | 7010003340 | Resistor | ELR20J 330 Ω |
| R68 | 7010004070 | Resistor | R20J 100 Ω |
| R69 | 7010003460 | Resistor | ELR20J 3.3 kΩ |
| R70 | 7010004070 | Resistor | R20J 100 Ω |
| R71 | 7010003270 | Resistor | ELR20J 82 Ω |
| R72 | 7010003600 | Resistor | ELR20J 33 kΩ |
| R73 | 7010004450 | Resistor | R20J 100 kΩ |
| R74 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R75 | 7010004350 | Resistor | R20J 18 kΩ |
| R76 | 7010003510 | Resistor | ELR20J 8.8 kΩ |
| R77 | 7010003240 | Resistor | ELR20J 47 Ω |
| R78 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R79 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R80 | 7010004150 | Resistor | R20J 470 Ω |
| R81 | 7010003240 | Resistor | ELR20J 47 Ω |
| R82 | 7310003160 | Trimmer | EVN-2ACA00 B13 (102) |
| R83 | 7010003240 | Resistor | ELR20J 47 Ω |
| R84 | 7010003290 | Resistor | ELR20J 120 Ω |
| R85 | 7010003460 | Resistor | ELR20J 3.3 kΩ |
| R86 | 7010003160 | Resistor | ELR20J 10 Ω |
| R87 | 7010003970 | Resistor | R20J 15 Ω |
| R89 | 7010003400 | Resistor | ELR20J 1 kΩ (EUR),(USA),(AUS),(SWE) |
| R90 | 7010003300 | Resistor | ELR20J 150 Ω |
| R91 | 7510000290 | Thermistor | ERT-D2ZGL301S |
| R92 | 7010003370 | Resistor | ELR20J 560 Ω (EUR),(USA),(AUS),(SWE) |
| R93 | 7010003370 | Resistor | ELR20J 560 Ω |
| R94 | 7010003670 | Resistor | ELR20J 120 kΩ |
| R95 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R96 | 7010003370 | Resistor | ELR20J 560 Ω |
| R97 | 7010003670 | Resistor | ELR20J 120 kΩ |
| R98 | 7010003660 | Resistor | ELR20J 100 kΩ |
| C1 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C2 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C3 | 4010000040 | Ceramic | DD104 SL 020C 50V |
| C4 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C5 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C6 | 4010000500 | Ceramic | DD104 B 102K 50V |

[RF-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|------------------------------------------------------|
| C7 | 4010003290 | Ceramic | DD104 UJ 050C 50V |
| C8 | 4010000010 | Ceramic | DD104 SL 0R5C 50V |
| C9 | 4010003290 | Ceramic | DD104 UJ 050C 50V |
| C10 | 4010000100 | Ceramic | DD104 SL 080D 50V |
| C11 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C12 | 4010000020 | Ceramic | DD104 SL 010C 50V |
| C13 | 4040000480 | Barrier Layer | RAU 04AK R75C |
| C14 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C15 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C16 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C17 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C18 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C19 | 4010000220 | Ceramic | DD104 SL 330J 50V (EUR),(EUR-H), (SWE),(SWE-H) |
| C19 | 4010000330 | Ceramic | DD105 SL 101J 50V (USA),(USA-H),(AUS),(AUS-H) |
| C20 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C22 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C23 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C24 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C25 | 4810000800 | Trimmer | CV38B 0801 |
| C26 | 4010000020 | Ceramic | DD104 SL 010C 50V |
| C27 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C28 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C29 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C30 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C31 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C32 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C33 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C34 | 4810000800 | Trimmer | CV38B 0801 |
| C35 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C37 | 4010000040 | Ceramic | DD104 SL 020C 50V |
| C38 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C39 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C41 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C42 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C43 | 4010000100 | Ceramic | DD104 SL 080D 50V |
| C44 | 4020000010 | Cylinder | UP125 SL 010M |
| C45 | 4010000100 | Ceramic | DD104 SL 080D 50V |
| C46 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C47 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C49 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C50 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C51 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C52 | 4810000770 | Trimmer | CV38D 1001 |
| C53 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C54 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C55 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C56 | 4810000780 | Trimmer | CV38D 2001 |
| C57 | 4010000140 | Ceramic | DD104 SL 120J 50V |
| C58 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C59 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C60 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C61 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C62 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C65 | 4010000080 | Ceramic | DD104 SL 040C 50V |
| C66 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C68 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C69 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C70 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C71 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C72 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C74 | 4010000080 | Ceramic | DD104 SL 040C 50V |
| C75 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C76 | 4010000280 | Ceramic | DD104 SL 580J 50V |
| C77 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C78 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C79 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C80 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C81 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C82 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C83 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C85 | 4010000480 | Ceramic | DD104 B 471K 50V |
| C86 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C87 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C88 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C89 | 4020000900 | Cylinder | UP050 SL 270J |

[RF-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|--------------|------------------------------------------------|
| C90 | 4010000180 | Ceramic | DD104 SL 220J 50V (EUR),(EUR-H), (SWE),(SWE-H) |
| C90 | 4010000480 | Ceramic | DD104 B 471K 50V (USA),(USA-H),(AUS),(AUS-H) |
| C91 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C92 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C93 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C94 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C95 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C96 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C97 | 4810000800 | Trimmer | CV38B 0801 |
| C98 | 4010000140 | Ceramic | DD104 SL 120J 50V |
| C99 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C100 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C101 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C102 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C103 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C104 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C105 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C106 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C107 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C108 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C109 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C110 | 4510003910 | Electrolytic | 18 MV 47 HW |
| C111 | 4010000080 | Ceramic | DD104 SL 060D 50V |
| C112 | 4010000080 | Ceramic | DD104 SL 060D 50V |
| C114 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C118 | 4010003270 | Ceramic | DD104 UJ 030C 50V |
| C119 | 4010000220 | Ceramic | DD104 SL 330J 50V |
| C120 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C121 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C122 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C123 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C124 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C125 | 4010000150 | Ceramic | DD104 SL 150J 50V |
| C126 | 4010000030 | Ceramic | DD104 SL 1R5C 50V |
| C127 | 4010000030 | Ceramic | DD104 SL 1R5C 50V |
| C128 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C129 | 4010000070 | Ceramic | DD104 SL 050C 50V |
| C130 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C131 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C132 | 4010000170 | Ceramic | DD104 SL 200J 50V |
| C133 | 4010000050 | Ceramic | DD104 SL 030C 50V (USA),(USA-H),(AUS),(AUS-H) |
| C133 | 4010000500 | Ceramic | DD104 B 102K 50V (EUR),(EUR-H), (SWE),(SWE-H) |
| C134 | 4810000800 | Trimmer | CV38B 0801 (USA),(USA-H),(AUS),(AUS-H) |
| C135 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C136 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C137 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C138 | 4010000100 | Ceramic | DD104 SL 080D 50V |
| C139 | 4010000650 | Ceramic | DD104 CH 050C 50V (USA),(USA-H),(AUS),(AUS-H) |
| C140 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C141 | 4010000180 | Ceramic | DD104 SL 180J 50V |
| C142 | 4010000280 | Ceramic | DD104 SL 470J 50V |
| C143 | 4010000500 | Ceramic | DD104 B 102K 50V |
| EP1 | 0910023857 | P.C. Board | B 2251G (RF-B) |
| EP2 | 6910000970 | Lead Frame | DL 2OP 2.6-3-1.2H |

[LOGIC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------------------------|
| IC1 | 1140001220 | IC | HD64180R1P8 |
| IC2 | 1130003771 | IC | HM6284ALP15SL |
| IC3 | 1130004770 | IC | SC-1128 |
| IC4 | 1130002840 | IC | μ PD71055C |
| IC5 | 1140000940 | IC | TMP82C255AN-2-Z |
| IC6 | 1130003880 | IC | MB4052M-G |
| IC7 | 1130004810 | IC | GD74HC42 |
| IC8 | 1140000940 | IC | TMP82C255AN-2-Z |
| IC9 | 1130003890 | IC | GD4024B |
| IC10 | 1130001050 | IC | μ PD4094BC |
| IC11 | 1130004690 | IC | LC7366N (DIP) |
| IC12 | 1130004680 | IC | LC7385 (DIP) |
| IC13 | 1130003480 | IC | M50784SP |
| IC14 | 1130003480 | IC | M50784SP |
| IC15 | 1130003480 | IC | M50784SP |
| IC16 | 1130003480 | IC | M50784SP |
| IC17 | 1130003890 | IC | GD4024B |
| IC18 | 1130000950 | IC | S7116A |
| IC19 | 1130001050 | IC | μ PD4094BC |
| IC20 | 1110001680 | IC | S-8054ALB |
| IC21 | 1130004630 | IC | GD4030B |
| IC22 | 1130004630 | IC | GD4030B |
| IC23 | 1130003870 | IC | GD4001B |
| IC24 | 1130003880 | IC | GD4011B |
| IC25 | 1130003870 | IC | GD4001B |
| IC26 | 1130003870 | IC | GD4001B |
| IC27 | 1130003870 | IC | GD4001B |
| IC29 | 1130004750 | IC | MC74HC00AN |
| IC30 | 1130004650 | IC | GD74HC32 |
| IC31 | 1130004600 | IC | GD74HC00 |
| IC32 | 1110002070 | IC | TA78L08S |
| IC33 | 1110002020 | IC | TA7805S |
| IC34 | 1130004620 | IC | GD4013B |
| Q1 | 1530000110 | Transistor | 2SC2458-GR |
| Q2 | 1510000070 | Transistor | 2SA1048-Y |
| Q3 | 1510000070 | Transistor | 2SA1048-Y |
| Q4 | 1530000110 | Transistor | 2SC2458-GR |
| Q5 | 1530000110 | Transistor | 2SC2458-GR |
| Q6 | 1530000110 | Transistor | 2SC2458-GR |
| Q7 | 1530000110 | Transistor | 2SC2458-GR |
| Q8 | 1530000110 | Transistor | 2SC2458-GR |
| Q9 | 1530000110 | Transistor | 2SC2458-GR |
| Q11 | 1530000110 | Transistor | 2SC2458-GR |
| Q12 | 1530002590 | Transistor | 2SC3422-Y |
| Q13 | 1530000110 | Transistor | 2SC2458-GR |
| Q14 | 1530002590 | Transistor | 2SC3422-Y |
| Q15 | 1590000350 | Transistor | RN1204 |
| Q16 | 1510000070 | Transistor | 2SA1048-Y |
| Q17 | 1510000070 | Transistor | 2SA1048-Y |
| Q18 | 1590000350 | Transistor | RN1204 |
| Q19 | 1590000350 | Transistor | RN1204 |
| Q20 | 1590000350 | Transistor | RN1204 |
| Q21 | 1590000350 | Transistor | RN1204 |
| Q22 | 1590000350 | Transistor | RN1204 |
| Q23 | 1590000350 | Transistor | RN1204 |
| Q24 | 1590000350 | Transistor | RN1204 |
| Q25 | 1590000350 | Transistor | RN1204 |
| Q26 | 1590000350 | Transistor | RN1204 |
| Q27 | 1530000110 | Transistor | 2SC2458-GR |
| Q28 | 1590000350 | Transistor | RN1204 (EUR),(EUR-H), (SWE),(SWE-H) |
| D1 | 1710000050 | Diode | 1SS53 |
| D2 | 1710000050 | Diode | 1SS53 |
| D3 | 1710000160 | Diode | 1SS133 |
| D4 | 1710000160 | Diode | 1SS133 |
| D5 | 1710000040 | Diode | 1S953 |
| D6 | 1710000160 | Diode | 1SS133 |
| D7 | 1790000240 | Diode | 1SS99 |
| D8 | 1710000350 | Diode | 1N4002 |
| D9 | 1710000350 | Diode | 1N4002 |
| D10 | 1710000160 | Diode | 1SS133 |
| D11 | 1710000160 | Diode | 1SS133 |
| D12 | 1710000160 | Diode | 1SS133 |

[LOGIC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------------------|
| D13 | 1710000180 | Diode | 1SS133 |
| D14 | 1710000180 | Diode | 1SS133 |
| D15 | 1710000180 | Diode | 1SS133 |
| D17 | 1730000050 | Zener | RD3.0E B2 |
| D18 | 1710000180 | Diode | 1SS133 |
| D19 | 1710000180 | Diode | 1SS133 |
| D20 | 1710000180 | Diode | 1SS133 |
| D22 | 1710000180 | Diode | 1SS133 |
| D24 | 1710000180 | Diode | 1SS133 |
| D25 | 1710000180 | Diode | 1SS133 |
| D26 | 1710000180 | Diode | 1SS133 |
| D27 | 1710000180 | Diode | 1SS133 |
| D28 | 1710000180 | Diode | 1SS133 |
| D29 | 1710000180 | Diode | 1SS133 |
| D30 | 1710000180 | Diode | 1SS133 |
| X1 | 6050003120 | Crystal | RF-4A3 FAA NKD (3.579545M) |
| X2 | 6050003350 | Crystal | RF-4A3 FAF NKD (9.270800M) |
| R4 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R5 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R6 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R7 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R8 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R9 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R10 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R11 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R12 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R13 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R14 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R15 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R16 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R17 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R18 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R19 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R20 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R21 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R22 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R23 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R24 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R25 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R26 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R27 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R28 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R29 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R30 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R31 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R32 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R33 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R34 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R35 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R36 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R37 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R38 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R39 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R40 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R41 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R42 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R43 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R44 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R45 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R46 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R47 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R48 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R49 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R50 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R51 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R52 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R53 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R54 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R55 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R56 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R57 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R58 | 7010003400 | Resistor | ELR20J 1 kΩ |

[LOGIC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|----------------|---------------------------------------------------------|
| R59 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R60 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R61 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R62 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R63 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R64 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R65 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R66 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R67 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R68 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R69 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R70 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R71 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R72 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R73 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R74 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R75 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R76 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R77 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R78 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R79 | 7010003780 | Resistor | ELR20J 1 MΩ |
| R80 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R81 | 7010003780 | Resistor | ELR20J 1 MΩ |
| R82 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R83 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R84 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R85 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R86 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R87 | 7410000150 | Resistor Array | RMX- 6 473K |
| R88 | 7410000080 | Resistor Array | RMX- 4 473K |
| R89 | 7410000080 | Resistor Array | RMX- 4 473K |
| R90 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R91 | 7010003630 | Resistor | ELR20J 56 kΩ |
| R92 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R93 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R94 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R95 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R96 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R97 | 7010003710 | Resistor | ELR20J 270 kΩ |
| R98 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R99 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R100 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R101 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R102 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R103 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R104 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R105 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R106 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R107 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R108 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R109 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R110 | 7010003520 | Resistor | ELR20J 8.2 kΩ |
| R111 | 7010003520 | Resistor | ELR20J 8.2 kΩ |
| R112 | 7010003280 | Resistor | ELR20J 100 Ω |
| R113 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R114 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R115 | 7010003490 | Resistor | ELR20J 5.6 kΩ |
| R116 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R117 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R118 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R119 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R120 | 7310003250 | Trimmer | EVN-D2AA03 B33 (302) (EUR),(EUR-H), (SWE),(SWE-H) |
| R121 | 7010003280 | Resistor | ELR20J 100 Ω |
| R122 | 7010003280 | Resistor | ELR20J 100 Ω |
| R123 | 7010003280 | Resistor | ELR20J 100 Ω |
| R124 | 7010003460 | Resistor | ELR20J 3.3 kΩ |
| R125 | 7010003720 | Resistor | ELR20J 330 kΩ |
| R126 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R127 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R129 | 7010003340 | Resistor | ELR20J 330 Ω |
| R130 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R131 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R132 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R133 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R134 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R135 | 7410000150 | Resistor Array | RMX- 6 473K |

[LOGIC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|------------------------------------------------------------------|
| R136 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R137 | 7010003620 | Resistor ELR20J 47 kΩ |
| R138 | 7010003620 | Resistor ELR20J 47 kΩ |
| R139 | 7010003620 | Resistor ELR20J 47 kΩ |
| R140 | 7010003530 | Resistor ELR20J 10 kΩ |
| R141 | 7010003660 | Resistor ELR20J 100 kΩ |
| R142 | 7010003400 | Resistor ELR20J 1 kΩ |
| R143 | 7010003400 | Resistor ELR20J 1 kΩ |
| R144 | 7010003400 | Resistor ELR20J 1 kΩ |
| R145 | 7010003400 | Resistor ELR20J 1 kΩ |
| R146 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R147 | 7010003440 | Resistor Array ELR20J 2.2 kΩ |
| R148 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R149 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R150 | 7410000220 | Resistor Array RMX- 8 473K |
| R151 | 7410000220 | Resistor Array RMX- 8 473K |
| R152 | 7410000220 | Resistor Array RMX- 8 473K |
| R153 | 7410000220 | Resistor Array RMX- 8 473K |
| R154 | 7410000220 | Resistor Array RMX- 8 473K |
| R155 | 7410000220 | Resistor Array RMX- 8 473K |
| R156 | 7410000220 | Resistor Array RMX- 8 473K |
| R157 | 7410000220 | Resistor Array RMX- 8 473K |
| R158 | 7410000220 | Resistor Array RMX- 8 473K |
| R159 | 7010003820 | Resistor ELR20J 3.3 MΩ |
| R160 | 7010003750 | Resistor ELR20J 560 kΩ |
| R161 | 7010003740 | Resistor ELR20J 470 kΩ |
| R162 | 7010003660 | Resistor ELR20J 100 kΩ |
| R163 | 7010003820 | Resistor ELR20J 3.3 MΩ |
| R164 | 7010003750 | Resistor ELR20J 560 kΩ |
| R165 | 7010003740 | Resistor ELR20J 470 kΩ |
| R166 | 7010003660 | Resistor ELR20J 100 kΩ |
| R167 | 7010003620 | Resistor ELR20J 47 kΩ |
| R168 | 7010003530 | Resistor ELR20J 10 kΩ |
| R169 | 7010003580 | Resistor ELR20J 22 kΩ |
| R170 | 7010003550 | Resistor ELR20J 15 kΩ |
| R171 | 7010003550 | Resistor ELR20J 15 kΩ |
| R172 | 7010003620 | Resistor ELR20J 47 kΩ |
| R173 | 7010003620 | Resistor ELR20J 47 kΩ |
| R174 | 7010003660 | Resistor ELR20J 100 kΩ |
| R175 | 7010003670 | Resistor ELR20J 120 kΩ |
| R176 | 7010003550 | Resistor ELR20J 15 kΩ |
| R177 | 7010003620 | Resistor ELR20J 47 kΩ |
| R178 | 7010003550 | Resistor ELR20J 15 kΩ |
| R179 | 7010003550 | Resistor ELR20J 15 kΩ |
| R180 | 7010003550 | Resistor ELR20J 15 kΩ |
| R181 | 7010003550 | Resistor ELR20J 15 kΩ |
| R182 | 7010003620 | Resistor ELR20J 47 kΩ |
| R183 | 7010003580 | Resistor ELR20J 22 kΩ |
| R184 | 7010003790 | Resistor ELR20J 1.2 MΩ |
| R185 | 7010003620 | Resistor ELR20J 47 kΩ |
| R187 | 7010003530 | Resistor ELR20J 10 kΩ |
| R188 | 7010003530 | Resistor (EUR),(EUR-H), (AUS),(AUS-H) ELR20J 10 kΩ |
| R189 | 7010003530 | Resistor (USA),(USA-H), (AUS),(AUS-H) ELR20J 10 kΩ |
| R190 | 7010003530 | Resistor (SWE),(SWE-H) ELR20J 10 kΩ |
| R191 | 7010003530 | Resistor (EUR),(EUR-H),(AUS), (AUS-H),(SWE),(SWE-H) ELR20J 10 kΩ |
| R192 | 7010003670 | Resistor ELR20J 120 kΩ |
| R193 | 7010004670 | Resistor R50XJ 22 Ω |
| R194 | 7010004670 | Resistor R50XJ 22 Ω |
| R195 | 7010003820 | Resistor ELR20J 3.3 MΩ |
| R197 | 7010003720 | Resistor ELR20J 330 kΩ |
| R198 | 7010003620 | Resistor ELR20J 47 kΩ |
| R199 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R200 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R201 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R202 | 7010003400 | Resistor ELR20J 1 kΩ |
| R203 | 7010003400 | Resistor ELR20J 1 kΩ |
| R204 | 7010003530 | Resistor ELR20J 10 kΩ |
| R205 | 7010003670 | Resistor ELR20J 120 kΩ |
| R206 | 7010003670 | Resistor ELR20J 120 kΩ |
| R207 | 7010003530 | Resistor ELR20J 10 kΩ |
| R209 | 7010003400 | Resistor ELR20J 1 kΩ |
| R210 | 7010003400 | Resistor ELR20J 1 kΩ |
| R212 | 7010003530 | Resistor ELR20J 10 kΩ |

[LOGIC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|------------------------------|
| R213 | 7010003530 | Resistor ELR20J 10 kΩ |
| R214 | 7010003530 | Resistor ELR20J 10 kΩ |
| R215 | 7010003620 | Resistor ELR20J 47 kΩ |
| R216 | 7010003530 | Resistor ELR20J 10 kΩ |
| R217 | 7010003530 | Resistor ELR20J 10 kΩ |
| R218 | 7010003530 | Resistor ELR20J 10 kΩ |
| R219 | 7010003530 | Resistor ELR20J 10 kΩ |
| C1 | 4010000500 | Ceramic DD104 B 102K 50V |
| C2 | 4530000030 | Capacitor Array B5RC0124-32N |
| C3 | 4530000030 | Capacitor Array B5RC0124-32N |
| C4 | 4530000030 | Capacitor Array B5RC0124-32N |
| C5 | 4530000030 | Capacitor Array B5RC0124-32N |
| C6 | 4530000190 | Capacitor Array B7ZC0716-32N |
| C7 | 4530000190 | Capacitor Array B7ZC0716-32N |
| C8 | 4530000030 | Capacitor Array B5RC0124-32N |
| C9 | 4530000190 | Capacitor Array B7ZC0716-32N |
| C10 | 4010000500 | Ceramic DD104 B 102K 50V |
| C11 | 4010000500 | Ceramic DD104 B 102K 50V |
| C12 | 4010000500 | Ceramic DD104 B 102K 50V |
| C13 | 4010000500 | Ceramic DD104 B 102K 50V |
| C14 | 4530000190 | Capacitor Array B7ZC0716-32N |
| C15 | 4530000190 | Capacitor Array B7ZC0716-32N |
| C16 | 4530000190 | Capacitor Array B7ZC0716-32N |
| C17 | 4010000500 | Ceramic DD104 B 102K 50V |
| C18 | 4010000500 | Ceramic DD104 B 102K 50V |
| C19 | 4010000500 | Ceramic DD104 B 102K 50V |
| C20 | 4010000500 | Ceramic DD104 B 102K 50V |
| C21 | 4010000500 | Ceramic DD104 B 102K 50V |
| C22 | 4010000500 | Ceramic DD104 B 102K 50V |
| C23 | 4010000500 | Ceramic DD104 B 102K 50V |
| C24 | 4010000500 | Ceramic DD104 B 102K 50V |
| C25 | 4010000500 | Ceramic DD104 B 102K 50V |
| C26 | 4530000030 | Capacitor Array B5RC0124-32N |
| C27 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C28 | 4010000180 | Ceramic DD104 SL 220J 50V |
| C29 | 4010000180 | Ceramic DD104 SL 220J 50V |
| C30 | 4510003880 | Electrolytic 10 MV 47 HW |
| C33 | 4510003800 | Electrolytic 25 MV 4R7 SW |
| C34 | 4010000500 | Ceramic DD104 B 102K 50V |
| C35 | 4010000500 | Ceramic DD104 B 102K 50V |
| C36 | 4010000500 | Ceramic DD104 B 102K 50V |
| C42 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C43 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C44 | 4010000180 | Ceramic DD104 SL 220J 50V |
| C45 | 4010000180 | Ceramic DD104 SL 220J 50V |
| C48 | 4550000380 | Tantalum DN 1A 100M |
| C49 | 4310000120 | Mylar F2D 50V 473K |
| C50 | 4010000500 | Ceramic DD104 B 102K 50V |
| C51 | 4010004120 | Ceramic DD07 B 102K 500V |
| C52 | 4010004120 | Ceramic DD07 B 102K 500V |
| C53 | 4010000500 | Ceramic DD104 B 102K 50V |
| C54 | 4010000500 | Ceramic DD104 B 102K 50V |
| C55 | 4010000500 | Ceramic DD104 B 102K 50V |
| C56 | 4530000030 | Capacitor Array B5RC0124-32N |
| C57 | 4010000500 | Ceramic DD104 B 102K 50V |
| C58 | 4530000030 | Capacitor Array B5RC0124-32N |
| C59 | 4010000500 | Ceramic DD104 B 102K 50V |
| C60 | 4510003950 | Electrolytic 50 MV R47 HW |
| C61 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C62 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C63 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C64 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C65 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C66 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C67 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C68 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C69 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C70 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C71 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C72 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C73 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C74 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C75 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C76 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C77 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C78 | 4010004840 | Ceramic DD305 F 104Z 12V |

[LOGIC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-----------------|----------------------|
| C79 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C80 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C81 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C82 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C83 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C84 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C85 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C86 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C87 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C88 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C89 | 4040000280 | Barrier Layer | UZE 08X 104M |
| C90 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C91 | 4040000280 | Barrier Layer | UZE 08X 104M |
| C92 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C94 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C95 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C96 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C97 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C99 | 4530000030 | Capacitor Array | B5RC0124-32N |
| C100 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C101 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C102 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C104 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C105 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C108 | 4510003920 | Electrolytic | 16 MV 100 HW |
| C110 | 4510003920 | Electrolytic | 16 MV 100 HW |
| C111 | 4510003980 | Electrolytic | 10 MV 100 HWS (5X11) |
| C112 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C114 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C115 | 4010000500 | Ceramic | DD104 B 102K 50V |
| | | | |
| S1 | 2220000420 | Switch | ESD11H120 |
| S3 | 2220000420 | Switch | ESD11H120 |
| S4 | 2220000420 | Switch | ESD11H120 |
| SO1 | 6510008370 | Switch | BBH-1 |
| SO2 | 2610000200 | Socket | ICC05-028 380T |
| SO1 | 6510008370 | Switch | BBH-1 |
| SO2 | 2610000200 | Socket | ICC05-028 380T |
| | | | |
| BT1 | 3020000110 | Lithium Battery | CR2032 |
| | | | |
| EP1 | 0910024114 | P.C. Board | B 2262D (LOGIC) |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|-------------|-------------|------------|
| IC22 | 1110001310 | IC | μ PC577HA |
| IC23 | 1180000580 | IC | TA78DL10P |
| | | | |
| Q1 | 1580000110 | FET | 3SK74 M |
| Q2 | 1530000591 | Transistor | 2SC2785 EL |
| Q3 | 1590000360 | Transistor | RN2202 |
| Q4 | 1560000080 | FET | 2SK192A-Y |
| Q5 | 1510000070 | Transistor | 2SA1048-Y |
| Q6 | 1530000591 | Transistor | 2SC2785 EL |
| Q7 | 1530000591 | Transistor | 2SC2785 EL |
| Q8 | 1590000360 | Transistor | RN2202 |
| Q9 | 1530000591 | Transistor | 2SC2785 EL |
| Q10 | 1530000591 | Transistor | 2SC2785 EL |
| Q11 | 1580000110 | FET | 3SK74 M |
| Q12 | 1530000591 | Transistor | 2SC2785 EL |
| Q13 | 1530000591 | Transistor | 2SC2785 EL |
| Q14 | 1590000350 | Transistor | RN1204 |
| Q15 | 1590000350 | Transistor | RN1204 |
| Q16 | 1590000350 | Transistor | RN1204 |
| Q17 | 1590000350 | Transistor | RN1204 |
| Q18 | 1590000350 | Transistor | RN1204 |
| Q19 | 1590000370 | Transistor | RN2204 |
| Q20 | 1530000591 | Transistor | 2SC2785 EL |
| Q21 | 1590000310 | FET | 2SJ105-GR |
| Q22 | 1530000150 | Transistor | 2SC2668-O |
| Q23 | 1580000110 | FET | 3SK74 M |
| Q24 | 1580000110 | FET | 3SK74 M |
| Q25 | 1590000350 | Transistor | RN1204 |
| Q26 | 1590000350 | Transistor | RN1204 |
| Q27 | 1590000350 | Transistor | RN1204 |
| Q28 | 1590000350 | Transistor | RN1204 |
| Q29 | 1590000360 | Transistor | RN2202 |
| Q30 | 1590000340 | Transistor | RN1202 |
| Q31 | 1590000350 | Transistor | RN1204 |
| Q32 | 1590000350 | Transistor | RN1204 |
| Q33 | 15300002650 | Transistor | 2SC1384-R |
| Q34 | 15300002650 | Transistor | 2SC1384-R |
| Q35 | 1590000350 | Transistor | RN1204 |
| Q36 | 1590000350 | Transistor | RN1204 |
| Q37 | 1590000350 | Transistor | RN1204 |
| Q38 | 1590000350 | Transistor | RN1204 |
| Q39 | 1590000310 | FET | 2SJ105-GR |
| Q40 | 1590000350 | Transistor | RN1204 |
| Q41 | 1530000591 | Transistor | 2SC2785 EL |
| Q42 | 1590000310 | FET | 2SJ105-GR |
| Q43 | 1530000591 | Transistor | 2SC2785 EL |
| Q44 | 1590000360 | Transistor | RN2202 |
| Q45 | 1530000591 | Transistor | 2SC2785 EL |
| Q46 | 1530000591 | Transistor | 2SC2785 EL |
| Q47 | 1580000110 | FET | 3SK74 M |
| Q48 | 1580000110 | FET | 3SK74 M |
| Q49 | 1590000350 | Transistor | RN1204 |
| Q50 | 1590000350 | Transistor | RN1204 |
| Q51 | 1580000110 | FET | 3SK74 M |
| Q52 | 1590000350 | Transistor | RN1204 |
| Q53 | 1590000350 | Transistor | RN1204 |
| Q54 | 1590000340 | Transistor | RN1202 |
| Q55 | 1590000350 | Transistor | RN1204 |
| Q56 | 1590000360 | Transistor | RN2202 |
| Q57 | 1590000350 | Transistor | RN1204 |
| Q58 | 1590000350 | Transistor | RN1204 |
| Q59 | 1530000591 | Transistor | 2SC2785 EL |
| Q60 | 1530000591 | Transistor | 2SC2785 EL |
| Q61 | 1530000591 | Transistor | 2SC2785 EL |
| Q62 | 1530000591 | Transistor | 2SC2785 EL |
| Q63 | 1590000310 | FET | 2SJ105-GR |
| Q64 | 1590000310 | FET | 2SJ105-GR |
| Q65 | 1590000350 | Transistor | RN1204 |
| Q66 | 1530000591 | Transistor | 2SC2785 EL |
| Q67 | 1530000591 | Transistor | 2SC2785 EL |
| Q68 | 1530000591 | Transistor | 2SC2785 EL |
| Q69 | 1590000350 | Transistor | RN1204 |
| Q71 | 1530000591 | Transistor | 2SC2785 EL |
| Q72 | 1530000591 | Transistor | 2SC2785 EL |
| Q73 | 1590000350 | Transistor | RN1204 |
| Q74 | 1530000591 | Transistor | 2SC2785 EL |
| Q75 | 1530000591 | Transistor | 2SC2785 EL |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------|
| IC1 | 1110001310 | IC | μ PC577HA |
| IC2 | 1110001930 | IC | M5215TL |
| IC3 | 1110001320 | IC | μ PC1037HA |
| IC4 | 1110000290 | IC | BA618 |
| IC5 | 1110000630 | IC | MC3357P |
| IC6 | 1110001310 | IC | μ PC577HA |
| IC7 | 1110001320 | IC | μ PC1037HA |
| IC8 | 1130003900 | IC | GD4068B |
| IC9 | 1130003900 | IC | GD4068B |
| IC10 | 1110002500 | IC | M5218AL |
| IC11 | 1110000630 | IC | MC3357P |
| IC12 | 1110001310 | IC | μ PC577HA |
| IC13 | 1110001320 | IC | μ PC1037HA |
| IC14 | 1110000290 | IC | BA618 |
| IC15 | 1130003900 | IC | GD4068B |
| IC16 | 1110002080 | IC | M51131L |
| IC17 | 1110001980 | IC | TA8207K |
| IC18 | 1110002030 | IC | TA7808S |
| IC19 | 1110000240 | IC | BA222-V |
| IC20 | 1110001320 | IC | μ PC1037HA |
| IC21 | 1110001320 | IC | μ PC1037HA |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------|
| Q76 | 1590000350 | Transistor | RN1204 |
| Q77 | 1560000080 | FET | 2SK192A-Y |
| Q78 | 1510000070 | Transistor | 2SA1048-Y |
| Q79 | 1530000591 | Transistor | 2SC2785 EL |
| Q80 | 1530000591 | Transistor | 2SC2785 EL |
| Q81 | 1590000360 | Transistor | RN2202 |
| Q82 | 1510000070 | Transistor | 2SA1048-Y |
| Q83 | 1590000340 | Transistor | RN1202 |
| Q86 | 1590000340 | Transistor | RN1202 |
| | | | (EUR-H),(USA-H),(|
| | | | AUS-H),(SWE-H) |
| Q87 | 1590000340 | Transistor | RN1202 |
| | | | (EUR-H),(USA-H), |
| | | | (AUS-H),(SWE-H) |
| Q91 | 1590000310 | FET | 2SJ105-GR |
| Q92 | 1530000110 | Transistor | 2SC2458-GR |
| Q93 | 1510000070 | Transistor | 2SA1048-Y |
| Q95 | 1590000350 | Transistor | RN1204 |
| Q96 | 1590000310 | FET | 2SJ105-GR |
| Q97 | 1530000110 | Transistor | 2SC2458-GR |
| Q99 | 1590000350 | Transistor | RN1204 |
| Q100 | 1590000350 | Transistor | RN1204 |
| Q101 | 1590000350 | Transistor | RN1204 |
| Q102 | 1590000350 | Transistor | RN1204 |
| Q103 | 1590000350 | Transistor | RN1204 |
| Q104 | 1590000350 | Transistor | RN1204 |
| Q105 | 1590000370 | Transistor | RN2204 |
| | | | |
| D1 | 1710000050 | Diode | 1SS53 |
| D2 | 1710000050 | Diode | 1SS53 |
| D3 | 1710000050 | Diode | 1SS53 |
| D4 | 1710000050 | Diode | 1SS53 |
| D5 | 1710000050 | Diode | 1SS53 |
| D6 | 1710000050 | Diode | 1SS53 |
| D7 | 1710000050 | Diode | 1SS53 |
| D8 | 1710000050 | Diode | 1SS53 |
| D9 | 1710000050 | Diode | 1SS53 |
| D10 | 1710000050 | Diode | 1SS53 |
| D11 | 1710000050 | Diode | 1SS53 |
| D12 | 1710000180 | Diode | 1SS133 |
| D13 | 1710000180 | Diode | 1SS133 |
| D14 | 1710000330 | Diode | 1K60 |
| D15 | 1710000330 | Diode | 1K60 |
| D16 | 1720000080 | Varicap | 1SV50(1)E |
| D17 | 1710000050 | Diode | 1SS53 |
| D18 | 1710000050 | Diode | 1SS53 |
| D19 | 1710000050 | Diode | 1SS53 |
| D20 | 1710000050 | Diode | 1SS53 |
| D21 | 1710000050 | Diode | 1SS53 |
| D22 | 1710000050 | Diode | 1SS53 |
| D23 | 1710000050 | Diode | 1SS53 |
| D24 | 1710000050 | Diode | 1SS53 |
| D25 | 1710000050 | Diode | 1SS53 |
| D26 | 1710000050 | Diode | 1SS53 |
| D27 | 1710000180 | Diode | 1SS133 |
| D28 | 1710000050 | Diode | 1SS53 |
| D29 | 1710000180 | Diode | 1SS133 |
| D30 | 1710000180 | Diode | 1SS133 |
| D31 | 1710000180 | Diode | 1SS133 |
| D32 | 1710000180 | Diode | 1SS133 |
| D33 | 1710000050 | Diode | 1SS53 |
| D34 | 1710000050 | Diode | 1SS53 |
| D35 | 1710000050 | Diode | 1SS53 |
| D36 | 1710000180 | Diode | 1SS133 |
| D37 | 1730000120 | Zener | RD6.2E B2 |
| D38 | 1710000050 | Diode | 1SS53 |
| D39 | 1710000050 | Diode | 1SS53 |
| D40 | 1790000070 | Diode | 1SS237 |
| D41 | 1790000070 | Diode | 1SS237 |
| D42 | 1790000070 | Diode | 1SS237 |
| D43 | 1790000070 | Diode | 1SS237 |
| D44 | 1710000050 | Diode | 1SS53 |
| D45 | 1720000120 | Varicap | FC52M |
| D46 | 1710000180 | Diode | 1SS133 |
| D47 | 1710000180 | Diode | 1SS133 |
| D48 | 1710000180 | Diode | 1SS133 |
| D49 | 1710000180 | Diode | 1SS133 |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------------|
| D50 | 1710000180 | Diode | 1SS133 |
| D51 | 1710000180 | Diode | 1SS133 |
| D52 | 1710000180 | Diode | 1SS133 |
| D53 | 1710000180 | Diode | 1SS133 |
| D54 | 1710000180 | Diode | 1SS133 |
| D55 | 1710000180 | Diode | 1SS133 |
| D56 | 1710000180 | Diode | 1SS133 |
| D57 | 1710000180 | Diode | 1SS133 |
| D58 | 1710000180 | Diode | 1SS133 |
| D59 | 1710000180 | Diode | 1SS133 |
| D60 | 1710000180 | Diode | 1SS133 |
| D61 | 1710000180 | Diode | 1SS133 |
| D62 | 1710000180 | Diode | 1SS133 |
| D63 | 1730000070 | Zener | RD3.9E B2 |
| D64 | 1730000120 | Zener | RD6.2E B2 |
| D65 | 1790000070 | Diode | 1SS237 |
| D66 | 1790000070 | Diode | 1SS237 |
| D67 | 1710000050 | Diode | 1SS53 |
| D68 | 1710000050 | Diode | 1SS53 |
| D69 | 1790000070 | Diode | 1SS237 |
| D70 | 1790000070 | Diode | 1SS237 |
| D72 | 1710000050 | Diode | 1SS53 |
| D73 | 1710000050 | Diode | 1SS53 |
| D74 | 1710000050 | Diode | 1SS53 |
| D75 | 1710000050 | Diode | 1SS53 |
| D76 | 1710000050 | Diode | 1SS53 |
| D77 | 1710000050 | Diode | 1SS53 |
| D78 | 1710000050 | Diode | 1SS53 |
| D79 | 1710000050 | Diode | 1SS53 |
| D80 | 1710000050 | Diode | 1SS53 |
| D81 | 1710000180 | Diode | 1SS133 |
| D82 | 1710000050 | Diode | 1SS53 |
| D83 | 1710000050 | Diode | 1SS53 |
| D84 | 1710000180 | Diode | 1SS133 |
| D85 | 1710000180 | Diode | 1SS133 |
| D86 | 1710000180 | Diode | 1SS133 |
| D87 | 1710000180 | Diode | 1SS133 |
| D88 | 1710000180 | Diode | 1SS133 |
| D89 | 1710000180 | Diode | 1SS133 |
| D90 | 1710000180 | Diode | 1SS133 |
| D91 | 1710000180 | Diode | 1SS133 |
| D92 | 1710000180 | Diode | 1SS133 |
| D93 | 1710000180 | Diode | 1SS133 |
| D94 | 1790000070 | Diode | 1SS237 |
| D95 | 1730000100 | Zener | RD5.1E B2 |
| D96 | 1710000180 | Diode | 1SS133 |
| D97 | 1710000180 | Diode | 1SS133 |
| D98 | 1710000180 | Diode | 1SS133 |
| D99 | 1710000330 | Diode | 1K60 |
| D100 | 1710000330 | Diode | 1K60 |
| D101 | 1710000180 | Diode | 1SS133 |
| D102 | 1710000180 | Diode | 1SS133 |
| D103 | 1710000180 | Diode | 1SS133 |
| D104 | 1710000050 | Diode | 1SS53 |
| D106 | 1710000180 | Diode | 1SS133 |
| D107 | 1710000180 | Diode | 1SS133 |
| D108 | 1710000050 | Diode | 1SS53 |
| D109 | 1710000050 | Diode | 1SS53 |
| D110 | 1710000050 | Diode | 1SS53 |
| D111 | 1710000050 | Diode | 1SS53 |
| D112 | 1710000050 | Diode | 1SS53 |
| D113 | 1710000050 | Diode | 1SS53 |
| D114 | 1710000050 | Diode | 1SS53 |
| D115 | 1710000050 | Diode | 1SS53 |
| D116 | 1710000180 | Diode | 1SS133 |
| D117 | 1710000050 | Diode | 1SS53 |
| | | | (EUR-H),(USA-H), |
| | | | (AUS-H),(SWE-H) |
| D118 | 1710000050 | Diode | 1SS53 |
| | | | (EUR-H),(USA-H), |
| | | | (AUS-H),(SWE-H) |
| D119 | 1710000050 | Diode | 1SS53 |
| D120 | 1710000050 | Diode | 1SS53 |
| D122 | 1710000050 | Diode | 1SS53 |
| D123 | 1710000050 | Diode | 1SS53 |
| D124 | 1710000050 | Diode | 1SS53 |
| D125 | 1710000050 | Diode | 1SS53 |
| D126 | 1710000180 | Diode | 1SS133 |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|----------------|------------------|
| D127 | 1710000160 | Diode | 1SS133 |
| D128 | 1710000160 | Diode | 1SS133 |
| D129 | 1710000160 | Diode | 1SS133 |
| D130 | 1710000160 | Diode | 1SS133 |
| D132 | 1710000160 | Diode | 1SS133 |
| D133 | 1710000160 | Diode | 1SS133 |
| D134 | 1710000160 | Diode | 1SS133 |
| D135 | 1710000160 | Diode | 1SS133 |
| D136 | 1710000160 | Diode | 1SS133 |
| D137 | 1710000160 | Diode | 1SS133 |
| X1 | 6050006440 | Crystal | CR-297 |
| X2 | 6050006430 | Crystal | CR-296 |
| X3 | 6050006450 | Crystal | CR-298 |
| X4 | 6050006440 | Crystal | CR-297 |
| X5 | 6050006470 | Crystal | CR-301 |
| X6 | 6070000010 | Discriminator | CDB455C7A |
| X7 | 6050006460 | Crystal | CR-299 |
| FI1 | 2010001080 | Filter | 10M22D6 (FL-128) |
| FI2 | 2010001120 | Filter | 10M15BB (FL-142) |
| FI3 | 2030000030 | Ceramic Filter | KBF-455R-15A |
| FI4 | 2030000030 | Ceramic Filter | KBF-455R-15A |
| FI5 | 2010001090 | Filter | 10M22D7 (FL-129) |
| FI6 | 2010001130 | Filter | 10M15BC (FL-143) |
| L1 | 6150000470 | Coil | LS-66A |
| L2 | 6150000470 | Coil | LS-66A |
| L3 | 6180000900 | Coil | LAL 03NA 101K |
| L4 | 6150000470 | Coil | LS-66A |
| L5 | 6150000470 | Coil | LS-66A |
| L6 | 6180000880 | Coil | LAL 03NA 100K |
| L7 | 6180000900 | Coil | LAL 03NA 101K |
| L8 | 6180000880 | Coil | LAL 03NA 100K |
| L9 | 6180000260 | Coil | LB4-100J |
| L10 | 6150002040 | Coil | LS-256 |
| L11 | 6150002990 | Coil | LS-310 |
| L12 | 6150002990 | Coil | LS-310 |
| L13 | 6150002890 | Coil | LS-303 |
| L14 | 6150002890 | Coil | LS-303 |
| L15 | 6150000470 | Coil | LS-66A |
| L16 | 6180000900 | Coil | LAL 03NA 101K |
| L17 | 6180000880 | Coil | LAL 03NA 100K |
| L18 | 6180000900 | Coil | LAL 03NA 101K |
| L19 | 6180000900 | Coil | LAL 03NA 101K |
| L20 | 6150001360 | Coil | LS-150A |
| L21 | 6150001350 | Coil | LS-149A |
| L22 | 6180000690 | Coil | LAL 03NA R22M |
| L23 | 6150001060 | Coil | LS-121 |
| L24 | 6180001710 | Coil | LAL 03NA 561K |
| L25 | 6150001070 | Coil | LS-121A |
| L26 | 6180000900 | Coil | LAL 03NA 101K |
| L27 | 6180000950 | Coil | LAL 03NA 150K |
| L28 | 6150002960 | Coil | LS-307 |
| L29 | 6150002990 | Coil | LS-310 |
| L30 | 6150000470 | Coil | LS-66A |
| L31 | 6180000900 | Coil | LAL 03NA 101K |
| L32 | 6910000670 | Coil | BT01RN1-A61-001 |
| L33 | 6180001710 | Coil | LAL 03NA 561K |
| L34 | 6150001070 | Coil | LS-121A |
| L35 | 6180000900 | Coil | LAL 03NA 101K |
| L36 | 6150001360 | Coil | LS-150A |
| L37 | 6180000690 | Coil | LAL 03NA R22M |
| L38 | 6150002960 | Coil | LS-307 |
| L39 | 6150002990 | Coil | LS-310 |
| L40 | 6150000470 | Coil | LS-66A |
| L41 | 6180000900 | Coil | LAL 03NA 101K |
| L42 | 6150002990 | Coil | LS-310 |
| L43 | 6150002990 | Coil | LS-310 |
| L44 | 6150002890 | Coil | LS-303 |
| L45 | 6150000470 | Coil | LS-66A |
| L46 | 6170000140 | Coil | LW-15 |
| L47 | 6180000900 | Coil | LAL 03NA 101K |
| L48 | 6180000900 | Coil | LAL 03NA 101K |
| L49 | 6180000900 | Coil | LAL 03NA 101K |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|----------------------|
| L50 | 6910000670 | Coil | BT01RN1-A61-001 |
| L51 | 6150002540 | Coil | LS-282 |
| L52 | 6180000900 | Coil | LAL 03NA 101K |
| L53 | 6180000900 | Coil | LAL 03NA 101K |
| L54 | 6180000900 | Coil | LAL 03NA 101K |
| L55 | 6180000900 | Coil | LAL 03NA 101K |
| L56 | 6180000900 | Coil | LAL 03NA 101K |
| L57 | 6180000900 | Coil | LAL 03NA 101K |
| L58 | 6180001710 | Coil | LAL 03NA 561K |
| L59 | 6180000900 | Coil | LAL 03NA 101K |
| L60 | 6180000980 | Coil | LAL 03NA 102K |
| L61 | 6180000960 | Coil | LAL 03NA 102K |
| L62 | 6180000950 | Coil | LAL 03NA 150K |
| L63 | 6150000470 | Coil | LS-66A |
| L64 | 6150000470 | Coil | LS-66A |
| L65 | 6150002890 | Coil | LS-303 |
| L66 | 6180000900 | Coil | LAL 03NA 101K |
| R1 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R2 | 7310003170 | Trimmer | EVN-2ACA00 B53 (502) |
| R3 | 7010004070 | Resistor | R20J 100 Ω |
| R4 | 7510000230 | Thermistor | ERT-D2ZGL251S |
| R5 | 7010003200 | Resistor | ELR20J 22 Ω |
| R6 | 7010003330 | Resistor | ELR20J 270 Ω |
| R7 | 7010003740 | Resistor | ELR20J 470 kΩ |
| R8 | 7010003740 | Resistor | ELR20J 470 kΩ |
| R9 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R10 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R11 | 7010003320 | Resistor | ELR20J 220 Ω |
| R12 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R13 | 7010001230 | Resistor | R25XJ 4.7 kΩ |
| R14 | 7010004190 | Resistor | R20J 1 kΩ |
| R15 | 7010001030 | Resistor | R25XJ 100 Ω |
| R16 | 7010004210 | Resistor | R20J 1.5 kΩ |
| R17 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R18 | 7010004070 | Resistor | R20J 100 Ω |
| R19 | 7010004320 | Resistor | R20J 10 kΩ |
| R20 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R21 | 7010004190 | Resistor | R20J 1 kΩ |
| R22 | 7010001030 | Resistor | R25XJ 100 Ω |
| R23 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R24 | 7010004210 | Resistor | R20J 1.5 kΩ |
| R25 | 7010004320 | Resistor | R20J 10 kΩ |
| R26 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R27 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R28 | 7310003210 | Trimmer | EVN-2ACA00 B54 (503) |
| R29 | 7010003280 | Resistor | ELR20J 100 Ω |
| R30 | 7310003170 | Trimmer | EVN-2ACA00 B53 (502) |
| R31 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R32 | 7010004070 | Resistor | R20J 100 Ω |
| R33 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R34 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R35 | 7010003280 | Resistor | ELR20J 100 Ω |
| R36 | 7010003740 | Resistor | ELR20J 470 kΩ |
| R37 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R38 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R39 | 7010004090 | Resistor | R20J 150 Ω |
| R40 | 7010003490 | Resistor | ELR20J 5.6 kΩ |
| R41 | 7010003360 | Resistor | ELR20J 470 Ω |
| R42 | 7010004070 | Resistor | R20J 100 Ω |
| R43 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R44 | 7310003160 | Trimmer | EVN-2ACA00 B13 (102) |
| R45 | 7010004150 | Resistor | R20J 470 Ω |
| R46 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R47 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R48 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R49 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R50 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R51 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R52 | 7010003740 | Resistor | ELR20J 470 kΩ |
| R53 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R54 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R55 | 7510000310 | Thermistor | ERT-D2ZHL802S |
| R56 | 7010003540 | Resistor | ELR20J 12 kΩ |
| R57 | 7010004270 | Resistor | R20J 4.7 kΩ |
| R58 | 7010003280 | Resistor | ELR20J 100 Ω |
| R59 | 7010003400 | Resistor | ELR20J 1 kΩ |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|------------------------------|
| R60 | 7010003720 | Resistor ELR20J 330 kΩ |
| R61 | 7010003620 | Resistor ELR20J 47 kΩ |
| R62 | 7010003610 | Resistor ELR20J 39 kΩ |
| R63 | 7310003210 | Trimmer EVN-2ACA00 B54 (503) |
| R64 | 7010003620 | Resistor ELR20J 47 kΩ |
| R65 | 7310003210 | Trimmer EVN-2ACA00 B54 (503) |
| R68 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R69 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R70 | 7010001190 | Resistor R25XJ 2.2 kΩ |
| R71 | 7010004230 | Resistor R20J 2.2 kΩ |
| R72 | 7010004230 | Resistor R20J 2.2 kΩ |
| R73 | 7010003320 | Resistor ELR20J 220 Ω |
| R74 | 7010004030 | Resistor R20J 47 Ω |
| R75 | 7010003400 | Resistor ELR20J 1 kΩ |
| R76 | 7010003740 | Resistor ELR20J 470 kΩ |
| R77 | 7010003530 | Resistor ELR20J 10 kΩ |
| R78 | 7510000300 | Thermistor ERT-D2ZGL801S |
| R79 | 7010003310 | Resistor ELR20J 180 Ω |
| R80 | 7010004110 | Resistor R20J 220 Ω |
| R81 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R82 | 7010004270 | Resistor R20J 4.7 kΩ |
| R83 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R84 | 7010003700 | Resistor ELR20J 220 kΩ |
| R85 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R86 | 7010004490 | Resistor R20J 220 kΩ |
| R87 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R88 | 7010003280 | Resistor ELR20J 100 Ω |
| R89 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R90 | 7010003280 | Resistor ELR20J 100 Ω |
| R91 | 7010003680 | Resistor ELR20J 100 kΩ |
| R92 | 7010004230 | Resistor R20J 2.2 kΩ |
| R93 | 7010003620 | Resistor ELR20J 47 kΩ |
| R94 | 7010004230 | Resistor R20J 2.2 kΩ |
| R95 | 7010003530 | Resistor ELR20J 10 kΩ |
| R96 | 7010003580 | Resistor ELR20J 22 kΩ |
| R97 | 7010004370 | Resistor R20J 22 kΩ |
| R98 | 7010004270 | Resistor R20J 4.7 kΩ |
| R99 | 7010003480 | Resistor ELR20J 3.3 kΩ |
| R100 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R101 | 7010004270 | Resistor R20J 4.7 kΩ |
| R102 | 7010004230 | Resistor R20J 2.2 kΩ |
| R103 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R104 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R105 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R106 | 7010003530 | Resistor ELR20J 10 kΩ |
| R107 | 7010004370 | Resistor R20J 22 kΩ |
| R108 | 7010003580 | Resistor ELR20J 22 kΩ |
| R109 | 7010004330 | Resistor R20J 12 kΩ |
| R110 | 7010004270 | Resistor R20J 4.7 kΩ |
| R111 | 7010003780 | Resistor ELR20J 1 MΩ |
| R113 | 7010003650 | Resistor ELR20J 82 kΩ |
| R114 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R115 | 7010004070 | Resistor R20J 100 Ω |
| R116 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R117 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R118 | 7310003190 | Trimmer EVN-2ACA00 B34 (303) |
| R119 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R120 | 7310003170 | Trimmer EVN-2ACA00 B53 (502) |
| R121 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R122 | 7010004320 | Resistor R20J 10 kΩ |
| R123 | 7010004530 | Resistor R20J 470 kΩ |
| R124 | 7010003610 | Resistor ELR20J 39 kΩ |
| R125 | 7010003620 | Resistor ELR20J 47 kΩ |
| R126 | 7010003420 | Resistor ELR20J 1.5 kΩ |
| R127 | 7010004210 | Resistor R20J 1.5 kΩ |
| R128 | 7010004070 | Resistor R20J 100 Ω |
| R129 | 7510000071 | Thermistor ERT-D2ZHL503S |
| R130 | 7010004370 | Resistor R20J 22 kΩ |
| R131 | 7010003400 | Resistor ELR20J 1 kΩ |
| R132 | 7010003620 | Resistor ELR20J 47 kΩ |
| R133 | 7310003170 | Trimmer EVN-2ACA00 B53 (502) |
| R134 | 7010003640 | Resistor ELR20J 68 kΩ |
| R135 | 7010003580 | Resistor ELR20J 22 kΩ |
| R136 | 7010003630 | Resistor ELR20J 56 kΩ |
| R137 | 7310003160 | Trimmer EVN-2ACA00 B13 (102) |
| R138 | 7310003210 | Trimmer EVN-2ACA00 B54 (503) |
| R139 | 7310003220 | Trimmer EVN-2ACA00 B16 (105) |
| R140 | 7010001190 | Resistor R25XJ 2.2 kΩ |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|------------------------------|
| R141 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R142 | 7010003740 | Resistor ELR20J 470 kΩ |
| R143 | 7010003360 | Resistor ELR20J 470 Ω |
| R144 | 7010003470 | Resistor ELR20J 3.9 kΩ |
| R145 | 7010003300 | Resistor ELR20J 150 Ω |
| R146 | 7010004070 | Resistor R20J 100 Ω |
| R147 | 7010003580 | Resistor ELR20J 22 kΩ |
| R148 | 7510000071 | Thermistor ERT-D2ZHL503S |
| R149 | 7310003180 | Trimmer EVN-2ACA00 B24 (203) |
| R150 | 7010003530 | Resistor ELR20J 10 kΩ |
| R151 | 7010003530 | Resistor ELR20J 10 kΩ |
| R152 | 7010003280 | Resistor ELR20J 100 Ω |
| R153 | 7010003460 | Resistor ELR20J 3.3 kΩ |
| R154 | 7010004210 | Resistor R20J 1.5 kΩ |
| R155 | 7010003550 | Resistor ELR20J 15 kΩ |
| R156 | 7010003530 | Resistor ELR20J 10 kΩ |
| R157 | 7310003210 | Trimmer EVN-2ACA00 B54 (503) |
| R158 | 7310003230 | Trimmer EVN-2ACA00 B15 (104) |
| R159 | 7010004320 | Resistor R20J 10 kΩ |
| R160 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R161 | 7010003530 | Resistor ELR20J 10 kΩ |
| R162 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R163 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R164 | 7010004410 | Resistor R20J 47 kΩ |
| R165 | 7010003620 | Resistor ELR20J 47 kΩ |
| R166 | 7010003620 | Resistor ELR20J 47 kΩ |
| R167 | 7010004320 | Resistor R20J 10 kΩ |
| R168 | 7010004370 | Resistor R20J 22 kΩ |
| R169 | 7010003620 | Resistor ELR20J 47 kΩ |
| R170 | 7010003620 | Resistor ELR20J 47 kΩ |
| R171 | 7010003620 | Resistor ELR20J 47 kΩ |
| R172 | 7010004410 | Resistor R20J 47 kΩ |
| R173 | 7010000090 | Resistor ELR25J 4.7 Ω |
| R174 | 7010000370 | Resistor ELR25J 1 kΩ |
| R175 | 7010000090 | Resistor ELR25J 4.7 Ω |
| R176 | 7010000370 | Resistor ELR25J 1 kΩ |
| R177 | 7010003280 | Resistor ELR20J 100 Ω |
| R178 | 7010004400 | Resistor R20J 39 kΩ |
| R179 | 7010004410 | Resistor R20J 47 kΩ |
| R180 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R181 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R182 | 7010003620 | Resistor ELR20J 47 kΩ |
| R183 | 7010003530 | Resistor ELR20J 10 kΩ |
| R184 | 7010003740 | Resistor ELR20J 470 kΩ |
| R186 | 7010003680 | Resistor ELR20J 100 kΩ |
| R187 | 7010003680 | Resistor ELR20J 100 kΩ |
| R188 | 7010004800 | Resistor R20J 2.2 MΩ |
| R189 | 7010003810 | Resistor ELR20J 2.2 MΩ |
| R191 | 7010004320 | Resistor R20J 10 kΩ |
| R192 | 7010003530 | Resistor ELR20J 10 kΩ |
| R193 | 7010003530 | Resistor ELR20J 10 kΩ |
| R194 | 7010003660 | Resistor ELR20J 100 kΩ |
| R195 | 7010003660 | Resistor ELR20J 100 kΩ |
| R196 | 7010003810 | Resistor ELR20J 2.2 MΩ |
| R197 | 7010003810 | Resistor ELR20J 2.2 MΩ |
| R198 | 7010003530 | Resistor ELR20J 10 kΩ |
| R199 | 7010003620 | Resistor ELR20J 47 kΩ |
| R200 | 7010003420 | Resistor ELR20J 1.5 kΩ |
| R201 | 7010003620 | Resistor ELR20J 47 kΩ |
| R202 | 7010003420 | Resistor ELR20J 1.5 kΩ |
| R203 | 7010004210 | Resistor R20J 1.5 kΩ |
| R204 | 7010004370 | Resistor R20J 22 kΩ |
| R205 | 7010004070 | Resistor R20J 100 Ω |
| R206 | 7510000071 | Thermistor ERT-D2ZHL503S |
| R207 | 7010003780 | Resistor ELR20J 1 MΩ |
| R208 | 7010004150 | Resistor R20J 470 Ω |
| R209 | 7010003400 | Resistor ELR20J 1 kΩ |
| R210 | 7010004410 | Resistor R20J 47 kΩ |
| R211 | 7310003170 | Trimmer EVN-2ACA00 B53 (502) |
| R212 | 7010004370 | Resistor R20J 22 kΩ |
| R213 | 7010003640 | Resistor ELR20J 68 kΩ |
| R214 | 7010003630 | Resistor ELR20J 56 kΩ |
| R215 | 7310003160 | Trimmer EVN-2ACA00 B13 (102) |
| R216 | 7310003180 | Trimmer EVN-2ACA00 B24 (203) |
| R217 | 7010001230 | Resistor R25XJ 4.7 kΩ |
| R218 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R219 | 7010004190 | Resistor R20J 1 kΩ |
| R220 | 7010001030 | Resistor R25XJ 100 Ω |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|------------------------------|
| R221 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R222 | 7010004210 | Resistor R20J 1.5 kΩ |
| R223 | 7010004070 | Resistor R20J 100 Ω |
| R224 | 7010004320 | Resistor R20J 10 kΩ |
| R225 | 7010004190 | Resistor R20J 1 kΩ |
| R226 | 7010001030 | Resistor R25XJ 100 Ω |
| R227 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R228 | 7010004210 | Resistor R20J 1.5 kΩ |
| R229 | 7010003850 | Resistor ELR20J 82 kΩ |
| R230 | 7010003530 | Resistor ELR20J 10 kΩ |
| R231 | 7010003280 | Resistor ELR20J 100 Ω |
| R232 | 7010004230 | Resistor R20J 2.2 kΩ |
| R233 | 7010003860 | Resistor ELR20J 100 kΩ |
| R234 | 7010003620 | Resistor ELR20J 47 kΩ |
| R235 | 7010004230 | Resistor R20J 2.2 kΩ |
| R236 | 7010003580 | Resistor ELR20J 22 kΩ |
| R237 | 7010003530 | Resistor ELR20J 10 kΩ |
| R238 | 7010004370 | Resistor R20J 22 kΩ |
| R239 | 7010004270 | Resistor R20J 4.7 kΩ |
| R240 | 7010004270 | Resistor R20J 4.7 kΩ |
| R241 | 7010004230 | Resistor R20J 2.2 kΩ |
| R242 | 7010004150 | Resistor R20J 470 Ω |
| R243 | 7010003470 | Resistor ELR20J 3.9 kΩ |
| R244 | 7010003300 | Resistor ELR20J 150 Ω |
| R245 | 7010004070 | Resistor R20J 100 Ω |
| R246 | 7010003580 | Resistor ELR20J 22 kΩ |
| R247 | 7310003180 | Trimmer EVN-2ACA00 B24 (203) |
| R248 | 7510000071 | Thermistor ERT-D2ZHL503S |
| R249 | 7010003530 | Resistor ELR20J 10 kΩ |
| R250 | 7010004320 | Resistor R20J 10 kΩ |
| R251 | 7010003280 | Resistor ELR20J 100 Ω |
| R252 | 7010003480 | Resistor ELR20J 3.3 kΩ |
| R253 | 7010003420 | Resistor ELR20J 1.5 kΩ |
| R254 | 7010001300 | Resistor R25XJ 15 kΩ |
| R255 | 7010003530 | Resistor ELR20J 10 kΩ |
| R256 | 7310003220 | Trimmer EVN-2ACA00 B16 (105) |
| R257 | 7310003220 | Trimmer EVN-2ACA00 B16 (105) |
| R258 | 7010004320 | Resistor R20J 10 kΩ |
| R259 | 7010001280 | Resistor R25XJ 10 kΩ |
| R260 | 7310003200 | Trimmer EVN-2ACA00 B14 (103) |
| R261 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R262 | 7010003740 | Resistor ELR20J 470 kΩ |
| R263 | 7010001490 | Resistor R25XJ 470 kΩ |
| R264 | 7010003530 | Resistor ELR20J 10 kΩ |
| R265 | 7010003310 | Resistor ELR20J 180 Ω |
| R266 | 7510000300 | Thermistor ERT-D2ZGL601S |
| R267 | 7010003320 | Resistor ELR20J 220 Ω |
| R268 | 7010003530 | Resistor ELR20J 10 kΩ |
| R269 | 7010004320 | Resistor R20J 10 kΩ |
| R270 | 7010003530 | Resistor ELR20J 10 kΩ |
| R271 | 7010004410 | Resistor R20J 47 kΩ |
| R272 | 7010003620 | Resistor ELR20J 47 kΩ |
| R273 | 7010003620 | Resistor ELR20J 47 kΩ |
| R274 | 7010003580 | Resistor ELR20J 22 kΩ |
| R275 | 7010004230 | Resistor R20J 2.2 kΩ |
| R276 | 7010003530 | Resistor ELR20J 10 kΩ |
| R277 | 7010003860 | Resistor ELR20J 100 kΩ |
| R278 | 7010003400 | Resistor ELR20J 1 kΩ |
| R279 | 7010003860 | Resistor ELR20J 100 kΩ |
| R282 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R283 | 7010003530 | Resistor ELR20J 10 kΩ |
| R284 | 7010003360 | Resistor ELR20J 470 Ω |
| R285 | 7010004230 | Resistor R20J 2.2 kΩ |
| R286 | 7010003860 | Resistor ELR20J 100 kΩ |
| R287 | 7010003800 | Resistor ELR20J 33 kΩ |
| R288 | 7010003240 | Resistor ELR20J 47 Ω |
| R289 | 7010003880 | Resistor ELR20J 150 kΩ |
| R290 | 7010004490 | Resistor R20J 220 kΩ |
| R291 | 7010004450 | Resistor R20J 100 kΩ |
| R292 | 7310003210 | Trimmer EVN-2ACA00 B54 (503) |
| R293 | 7010004410 | Resistor R20J 47 kΩ |
| R294 | 7010004410 | Resistor R20J 47 kΩ |
| R295 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R296 | 7010003530 | Resistor ELR20J 10 kΩ |
| R297 | 7010003860 | Resistor ELR20J 100 kΩ |
| R298 | 7010003860 | Resistor ELR20J 100 kΩ |
| R299 | 7010003400 | Resistor ELR20J 1 kΩ |
| R300 | 7010003440 | Resistor ELR20J 2.2 kΩ |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|--------------------------------------------------------------|
| R301 | 7010003400 | Resistor ELR20J 1 kΩ |
| R302 | 7010003530 | Resistor ELR20J 10 kΩ |
| R303 | 7010003860 | Resistor ELR20J 100 kΩ |
| R304 | 7010003600 | Resistor ELR20J 33 kΩ |
| R305 | 7010003220 | Resistor ELR20J 33 Ω |
| R306 | 7010003360 | Resistor ELR20J 470 Ω |
| R307 | 7010004230 | Resistor R20J 2.2 kΩ |
| R308 | 7010004230 | Resistor R20J 2.2 kΩ |
| R309 | 7010003860 | Resistor ELR20J 150 kΩ |
| R310 | 7310003210 | Trimmer EVN-2ACA00 B54 (503) |
| R311 | 7010004370 | Resistor R20J 22 kΩ |
| R312 | 7010003290 | Resistor ELR20J 120 Ω |
| R313 | 7010004080 | Resistor R20J 120 Ω |
| R314 | 7010001190 | Resistor R25XJ 2.2 kΩ |
| R315 | 7010003240 | Resistor ELR20J 47 Ω |
| R316 | 7010003240 | Resistor ELR20J 47 Ω |
| R317 | 7010003460 | Resistor ELR20J 3.3 kΩ |
| R318 | 7010003800 | Resistor ELR20J 33 kΩ |
| R319 | 7010003530 | Resistor ELR20J 10 kΩ |
| R320 | 7310003170 | Trimmer EVN-2ACA00 B53 (502) |
| R321 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R322 | 7010003400 | Resistor ELR20J 1 kΩ |
| R323 | 7010003400 | Resistor ELR20J 1 kΩ |
| R324 | 7010003510 | Resistor ELR20J 6.8 kΩ |
| R325 | 7010003280 | Resistor ELR20J 100 Ω |
| R326 | 7010004370 | Resistor R20J 22 kΩ |
| R327 | 7010004320 | Resistor R20J 10 kΩ |
| R328 | 7010004160 | Resistor R20J 580 Ω |
| R329 | 7010003530 | Resistor ELR20J 10 kΩ |
| R330 | 7010004320 | Resistor R20J 10 kΩ |
| R331 | 7010001230 | Resistor R25XJ 4.7 kΩ |
| R332 | 7010001150 | Resistor R25XJ 1 kΩ |
| R333 | 7010003990 | Resistor R20J 22 Ω |
| R334 | 7010003530 | Resistor ELR20J 10 kΩ |
| R335 | 7010003530 | Resistor ELR20J 10 kΩ |
| R337 | 7010003490 | Resistor ELR20J 5.8 kΩ |
| R338 | 7010003480 | Resistor ELR20J 3.3 kΩ |
| R339 | 7010003530 | Resistor ELR20J 10 kΩ |
| R340 | 7010003400 | Resistor ELR20J 1 kΩ |
| R341 | 7010003710 | Resistor ELR20J 270 kΩ |
| R342 | 7010004150 | Resistor R20J 470 Ω |
| R344 | 7010001280 | Resistor R25XJ 10 kΩ |
| R345 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R346 | 7010001280 | Resistor R25XJ 10 kΩ |
| R347 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R348 | 7010003660 | Resistor ELR20J 100 kΩ |
| R349 | 7010003400 | Resistor ELR20J 1 kΩ |
| R350 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R351 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R353 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R354 | 7010004070 | Resistor R20J 100 Ω |
| R355 | 7010003300 | Resistor ELR20J 150 Ω |
| R356 | 7010003860 | Resistor ELR20J 100 kΩ |
| R357 | 7010004450 | Resistor R20J 100 kΩ |
| R358 | 7010004070 | Resistor R20J 100 Ω |
| R359 | 7010003530 | Resistor ELR20J 10 kΩ |
| R360 | 7010004280 | Resistor R20J 5.6 kΩ |
| R361 | 7010003820 | Resistor ELR20J 47 kΩ |
| R362 | 7010003740 | Resistor ELR20J 470 kΩ |
| R363 | 7010003380 | Resistor ELR20J 470 Ω |
| R364 | 7010004070 | Resistor R20J 100 Ω |
| R365 | 7010004230 | Resistor R20J 2.2 kΩ |
| R366 | 7010004230 | Resistor R20J 2.2 kΩ |
| R367 | 7010003320 | Resistor ELR20J 220 Ω |
| R368 | 7010004030 | Resistor R20J 47 Ω |
| R369 | 7010003400 | Resistor ELR20J 1 kΩ |
| R370 | 7010003530 | Resistor ELR20J 10 kΩ |
| R371 | 7010004250 | Resistor R20J 3.3 kΩ |
| R372 | 7010004250 | Resistor R20J 3.3 kΩ |
| R373 | 7010003400 | Resistor ELR20J 1 kΩ |
| R374 | 7010003410 | Resistor ELR20J 1.2 kΩ |
| R375 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R376 | 7010003820 | Resistor ELR20J 47 kΩ |
| R377 | 7010003820 | Resistor ELR20J 47 kΩ |
| R378 | 7310003220 | Trimmer EVN-2ACA00 B16 (105) |
| R379 | 7010003530 | Resistor ELR20J 10 kΩ (EUR-H),(USA-H), (AUS-H),(SWE-H) |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|-------------------------------------------------------------|
| R380 | 7310003230 | Trimmer | EVN-2ACA00 B15 (104) (EUR-H),(USA-H), (AUS-H),(SWE-H) |
| R384 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R386 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R387 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R388 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R389 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R390 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R391 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R392 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R393 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R394 | 7010003280 | Resistor | ELR20J 100 Ω |
| R395 | 7010003280 | Resistor | ELR20J 100 Ω |
| R396 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R397 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R398 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R399 | 7010004570 | Resistor | R20J 1 MΩ |
| R400 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R401 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R402 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R403 | 7010004370 | Resistor | R20J 22 kΩ |
| R404 | 7010003780 | Resistor | ELR20J 1 MΩ |
| R405 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R406 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R410 | 7010004420 | Resistor | R20J 56 kΩ |
| R411 | 7010003470 | Resistor | ELR20J 3.9 kΩ |
| R417 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R418 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R419 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R420 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R421 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R422 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R423 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R424 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R425 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R426 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R427 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R428 | 7510000130 | Thermistor | ERT-D2FHL333S |
| R429 | 7010003580 | Resistor | ELR20J 22 kΩ |
| R430 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R431 | 7010004200 | Resistor | R20J 1.2 kΩ |
| R432 | 7010003580 | Resistor | ELR20J 22 kΩ |
| C1 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C2 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C3 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C4 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C5 | 4510003860 | Electrolytic | 50 MV 3R3 SW |
| C6 | 4310000020 | Mylar | F2D 50V 103K |
| C7 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C8 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C9 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C10 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C11 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C12 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C13 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C14 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C15 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C16 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C17 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C18 | 4510003820 | Electrolytic | 50 MV R22 SW |
| C19 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C20 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C21 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C22 | 4510003830 | Electrolytic | 50 MV R47 SW |
| C23 | 4010000040 | Ceramic | DD104 SL 020C 50V |
| C24 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C25 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C26 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C27 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C28 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C29 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C30 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C31 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C32 | 4010000340 | Ceramic | DD105 SL 121J 50V |
| C33 | 4010000180 | Ceramic | DD104 SL 220J 50V |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|-------------------|
| C34 | 4510003800 | Electrolytic | 25 MV 4R7 SW |
| C35 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C36 | 4010000330 | Ceramic | DD105 SL 101J 50V |
| C37 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C38 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C39 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C40 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C41 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C42 | 4010000370 | Ceramic | DD108 SL 201J 50V |
| C43 | 4010000940 | Ceramic | DD107 CH 101J 50V |
| C44 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C45 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C46 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C47 | 4510004180 | Electrolytic | 50 MV R33 SW |
| C48 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C49 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C50 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C52 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C53 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C54 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C57 | 4010000050 | Ceramic | DD104 SL 030C 50V |
| C58 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C59 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C60 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C61 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C62 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C63 | 4010000200 | Ceramic | DD104 SL 270J 50V |
| C64 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C65 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C66 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C67 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C68 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C69 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C70 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C71 | 4510003840 | Electrolytic | 50 MV 1 SW |
| C72 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C73 | 4010000260 | Ceramic | DD104 SL 470J 50V |
| C74 | 4010000980 | Ceramic | DD109 CH 151J 50V |
| C75 | 4010000980 | Ceramic | DD109 CH 151J 50V |
| C76 | 4810000130 | Trimmer | CV05E3001 |
| C77 | 4010000820 | Ceramic | DD105 CH 330J 50V |
| C78 | 4040000150 | Barrier Layer | UAT 05X 472K |
| C79 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C80 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C81 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C82 | 4550000350 | Tantalum | DN 1V 010M |
| C83 | 4550000350 | Tantalum | DN 1V 010M |
| C84 | 4550000360 | Tantalum | DN 1V R47M |
| C85 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C86 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C87 | 4510003800 | Electrolytic | 25 MV 4R7 SW |
| C88 | 4010003600 | Ceramic | DD107 UJ 121J 50V |
| C90 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C91 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C92 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C93 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C94 | 4010000180 | Ceramic | DD104 SL 220J 50V |
| C95 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C96 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C97 | 4040000190 | Barrier Layer | UAT 05X 103K |
| C98 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C99 | 4010000460 | Ceramic | DD104 B 471K 50V |
| C100 | 4010000220 | Ceramic | DD104 SL 330J 50V |
| C101 | 4040000190 | Barrier Layer | UAT 05X 103K |
| C102 | 4550000010 | Tantalum | DN 1C 4R7M |
| C103 | 4010000650 | Ceramic | DD104 CH 050C 50V |
| C104 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C105 | 4040000250 | Barrier Layer | UAT 08X 473M |
| C106 | 4010004870 | Ceramic | DD304 F 473Z 25V |
| C107 | 4040000250 | Barrier Layer | UAT 08X 473M |
| C108 | 4040000250 | Barrier Layer | UAT 08X 473M |
| C109 | 4010000500 | Ceramic | DD104 B 102K 50V |
| C110 | 4510003800 | Electrolytic | 25 MV 4R7 SW |
| C111 | 4510003790 | Electrolytic | 16 MV 10 SW |
| C112 | 4010003340 | Ceramic | DD104 UJ 100D 50V |
| C113 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C114 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C115 | 4010000520 | Ceramic | DD108 B 472K 50V |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|--------------------------------|
| C116 | 4040000240 | Barrier Layer UAT 08X 333M |
| C117 | 4010000520 | Ceramic DD108 B 472K 50V |
| C118 | 4510003830 | Electrolytic 50 MV R47 SW |
| C119 | 4310000110 | Mylar F2D 50V 472K |
| C120 | 4010000520 | Ceramic DD108 B 472K 50V |
| C121 | 4040000150 | Barrier Layer UAT 05X 472K |
| C122 | 4040000150 | Barrier Layer UAT 05X 472K |
| C123 | 4010000520 | Ceramic DD108 B 472K 50V |
| C124 | 4010000520 | Ceramic DD108 B 472K 50V |
| C125 | 4010000350 | Ceramic DD108 SL 151J 50V |
| C126 | 4020000620 | Cylinder UP050 SL 220J |
| C127 | 4010000520 | Ceramic DD108 B 472K 50V |
| C128 | 4010000520 | Ceramic DD108 B 472K 50V |
| C129 | 4040000250 | Barrier Layer UAT 08X 473M |
| C130 | 4550000320 | Tantalum DN 1V 0R1M |
| C131 | 4010000520 | Ceramic DD108 B 472K 50V |
| C132 | 4510003850 | Electrolytic 50 MV 2R2 SW |
| C133 | 4040000150 | Barrier Layer UAT 05X 472K |
| C134 | 4510001770 | Electrolytic 18 RBP 10 μ F |
| C135 | 4510003830 | Electrolytic 50 MV R47 SW |
| C136 | 4510003830 | Electrolytic 50 MV R47 SW |
| C137 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C138 | 4040000090 | Barrier Layer UAT 04X 152K |
| C139 | 4040000090 | Barrier Layer UAT 04X 152K |
| C140 | 4040000090 | Barrier Layer UAT 04X 152K |
| C141 | 4510003810 | Electrolytic 50 MV R1 SW |
| C142 | 4310000420 | Mylar F2D 50V 333J |
| C143 | 4310000420 | Mylar F2D 50V 333J |
| C144 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C145 | 4040000090 | Barrier Layer UAT 04X 152K |
| C146 | 4040000090 | Barrier Layer UAT 04X 152K |
| C147 | 4040000090 | Barrier Layer UAT 04X 152K |
| C148 | 4510003810 | Electrolytic 50 MV R1 SW |
| C149 | 4510003790 | Electrolytic 18 MV 10 SW |
| C150 | 4010001010 | Ceramic DD110 CH 201J 50V |
| C151 | 4010000920 | Ceramic DD107 CH 820J 50V |
| C152 | 4040000260 | Barrier Layer UZE 08X 104M |
| C153 | 4510003790 | Electrolytic 18 MV 10 SW |
| C154 | 4040000260 | Barrier Layer UZE 08X 104M |
| C155 | 4010000320 | Ceramic DD104 SL 820J 50V |
| C156 | 4040000260 | Barrier Layer UZE 08X 104M |
| C157 | 4010000180 | Ceramic DD104 SL 220J 50V |
| C158 | 4040000150 | Barrier Layer UAT 05X 472K |
| C159 | 4010000340 | Ceramic DD105 SL 121J 50V |
| C160 | 4010000520 | Ceramic DD108 B 472K 50V |
| C161 | 4040000190 | Barrier Layer UAT 05X 103K |
| C162 | 4010000480 | Ceramic DD104 B 471K 50V |
| C163 | 4010000480 | Ceramic DD104 B 471K 50V |
| C164 | 4010000220 | Ceramic DD104 SL 330J 50V |
| C165 | 4040000190 | Barrier Layer UAT 05X 103K |
| C166 | 4550000010 | Tantalum DN 1C 4R7M |
| C167 | 4040000250 | Barrier Layer UAT 08X 473M |
| C168 | 4040000250 | Barrier Layer UAT 08X 473M |
| C169 | 4040000250 | Barrier Layer UAT 08X 473M |
| C170 | 4040000250 | Barrier Layer UAT 08X 473M |
| C171 | 4010000500 | Ceramic DD104 B 102K 50V |
| C172 | 4510003800 | Electrolytic 25 MV 4R7 SW |
| C173 | 4020000670 | Cylinder UP050 SL 470J |
| C174 | 4010000520 | Ceramic DD108 B 472K 50V |
| C175 | 4010000520 | Ceramic DD108 B 472K 50V |
| C176 | 4010000520 | Ceramic DD108 B 472K 50V |
| C177 | 4010000520 | Ceramic DD108 B 472K 50V |
| C178 | 4010000520 | Ceramic DD108 B 472K 50V |
| C179 | 4010000520 | Ceramic DD108 B 472K 50V |
| C180 | 4010000520 | Ceramic DD108 B 472K 50V |
| C181 | 4040000150 | Barrier Layer UAT 05X 472K |
| C182 | 4010000520 | Ceramic DD108 B 472K 50V |
| C183 | 4010000520 | Ceramic DD108 B 472K 50V |
| C184 | 4010000260 | Ceramic DD104 SL 470J 50V |
| C185 | 4010000980 | Ceramic DD109 CH 151J 50V |
| C186 | 4010000980 | Ceramic DD109 CH 151J 50V |
| C187 | 4610000130 | Trimmer CV05E3001 |
| C188 | 4010000820 | Ceramic DD105 CH 330J 50V |
| C189 | 4040000150 | Barrier Layer UAT 05X 472K |
| C190 | 4010000520 | Ceramic DD108 B 472K 50V |
| C191 | 4010000520 | Ceramic DD108 B 472K 50V |
| C192 | 4510003860 | Electrolytic 50 MV 3R3 SW |
| C193 | 4010000520 | Ceramic DD108 B 472K 50V |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|--------------------------------------|
| C194 | 4310000110 | Mylar F2D 50V 472K |
| C195 | 4010000520 | Ceramic DD108 B 472K 50V |
| C196 | 4040000150 | Barrier Layer UAT 05X 472K |
| C197 | 4040000150 | Barrier Layer UAT 05X 472K |
| C198 | 4010000520 | Ceramic DD108 B 472K 50V |
| C199 | 4010000520 | Ceramic DD108 B 472K 50V |
| C200 | 4010000350 | Ceramic DD108 SL 151J 50V |
| C201 | 4020000620 | Cylinder UP050 SL 220J |
| C202 | 4010000520 | Ceramic DD108 B 472K 50V |
| C203 | 4010000520 | Ceramic DD108 B 472K 50V |
| C204 | 4040000250 | Barrier Layer UAT 08X 473M |
| C205 | 4510003810 | Electrolytic 50 MV R1 SW |
| C206 | 4510003850 | Electrolytic 50 MV 2R2 SW |
| C207 | 4010000520 | Ceramic DD108 B 472K 50V |
| C212 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C213 | 4040000150 | Barrier Layer UAT 05X 472K |
| C214 | 4010000520 | Ceramic DD108 B 472K 50V |
| C215 | 4010000520 | Ceramic DD108 B 472K 50V |
| C216 | 4510001770 | Electrolytic 18 RBP 10 μ F |
| C217 | 4510003820 | Electrolytic 50 MV R22 SW |
| C218 | 4510003800 | Electrolytic 25 MV 4R7 SW |
| C219 | 4510003790 | Electrolytic 18 MV 10 SW |
| C220 | 4040000260 | Barrier Layer UZE 08X 104M |
| C221 | 4040000260 | Barrier Layer UZE 08X 104M |
| C222 | 4510003810 | Electrolytic 50 MV R1 SW |
| C223 | 4010000520 | Ceramic DD108 B 472K 50V |
| C224 | 4510003820 | Electrolytic 50 MV R22 SW |
| C225 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C226 | 4510003800 | Electrolytic 25 MV 4R7 SW |
| C227 | 4510003790 | Electrolytic 18 MV 10 SW |
| C228 | 4040000260 | Barrier Layer UZE 08X 104M |
| C229 | 4510003810 | Electrolytic 50 MV R1 SW |
| C230 | 4040000260 | Barrier Layer UZE 08X 104M |
| C231 | 4040000240 | Barrier Layer UAT 08X 333M |
| C232 | 4510003900 | Electrolytic 18 MV 22 HW |
| C233 | 4510003830 | Electrolytic 50 MV R47 SW |
| C234 | 4510003830 | Electrolytic 50 MV R47 SW |
| C235 | 4510003800 | Electrolytic 25 MV 4R7 SW |
| C236 | 4510003920 | Electrolytic 18 MV 100 HW |
| C237 | 4510003800 | Electrolytic 25 MV 4R7 SW |
| C238 | 4510004120 | Electrolytic 18 MV 330 HW |
| C239 | 4510003930 | Electrolytic 18 MV 470 HW |
| C240 | 4510003920 | Electrolytic 18 MV 100 HW |
| C241 | 4510003930 | Electrolytic 18 MV 470 HW |
| C242 | 4310000500 | Mylar F2D 50V 154J |
| C243 | 4510003920 | Electrolytic 18 MV 100 HW |
| C244 | 4310000500 | Mylar F2D 50V 154J |
| C245 | 4510003930 | Electrolytic 18 MV 470 HW |
| C246 | 4040000260 | Barrier Layer UZE 08X 104M |
| C247 | 4510003920 | Electrolytic 18 MV 100 HW |
| C248 | 4510003790 | Electrolytic 18 MV 10 SW |
| C249 | 4550000350 | Tantalum DN 1V 010M |
| C250 | 4510004370 | Electrolytic 18 M57 47 μ F (5X7) |
| C251 | 4550000310 | Tantalum DN 1V 2R2M |
| C252 | 4550000340 | Tantalum DN 1C 100M |
| C253 | 4510003790 | Electrolytic 18 MV 10 SW |
| C254 | 4310000010 | Mylar F2D 50V 102K |
| C255 | 4010000520 | Ceramic DD108 B 472K 50V |
| C256 | 4040000260 | Barrier Layer UZE 08X 104M |
| C257 | 4040000240 | Barrier Layer UAT 08X 333M |
| C258 | 4010000520 | Ceramic DD108 B 472K 50V |
| C259 | 4010000150 | Ceramic DD104 SL 150J 50V |
| C260 | 4010000150 | Ceramic DD104 SL 150J 50V |
| C261 | 4010000110 | Ceramic DD104 SL 090D 50V |
| C262 | 4010000520 | Ceramic DD108 B 472K 50V |
| C263 | 4510004010 | Electrolytic 10 MV 470 HW |
| C264 | 4040000150 | Barrier Layer UAT 05X 472K |
| C265 | 4040000150 | Barrier Layer UAT 05X 472K |
| C266 | 4010000520 | Ceramic DD108 B 472K 50V |
| C267 | 4010002050 | Ceramic DD104 RH 180J 50V |
| C268 | 4010000520 | Ceramic DD108 B 472K 50V |
| C269 | 4010000980 | Ceramic DD109 CH 151J 50V |
| C270 | 4010000980 | Ceramic DD109 CH 151J 50V |
| C271 | 4010000060 | Ceramic DD104 SL 040C 50V |
| C272 | 4010000520 | Ceramic DD108 B 472K 50V |
| C273 | 4010000340 | Ceramic DD105 SL 121J 50V |
| C274 | 4010000520 | Ceramic DD108 B 472K 50V |
| C275 | 4010000520 | Ceramic DD108 B 472K 50V |

[MAIN UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|-----------------------------------|
| C276 | 4010000520 | Ceramic DD108 B 472K 50V |
| C277 | 4010000520 | Ceramic DD108 B 472K 50V |
| C278 | 4010000520 | Ceramic DD108 B 472K 50V |
| C280 | 4040000150 | Barrier Layer UAT 05X 472K |
| C281 | 4010000520 | Ceramic DD108 B 472K 50V |
| C282 | 4550002880 | Tantalum DN 1V 0R1K |
| C283 | 4510003980 | Electrolytic 10 MV 100 HWS (5X11) |
| C284 | 4510003980 | Electrolytic 10 MV 100 HWS (5X11) |
| C285 | 4510003910 | Electrolytic 16 MV 47 HW |
| C286 | 4510003910 | Electrolytic 16 MV 47 HW |
| C287 | 4040000150 | Barrier Layer UAT 05X 472K |
| C288 | 4010000520 | Ceramic DD108 B 472K 50V |
| C289 | 4010000520 | Ceramic DD108 B 472K 50V |
| C290 | 4010000500 | Ceramic DD104 B 102K 50V |
| C292 | 4510003880 | Electrolytic 50 MV 3R3 SW |
| C293 | 4510003790 | Electrolytic 16 MV 10 SW |
| C294 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C295 | 4040000260 | Barrier Layer UZE 08X 104M |
| C296 | 4040000260 | Barrier Layer UZE 08X 104M |
| C297 | 4040000260 | Barrier Layer UZE 08X 104M |
| C298 | 4040000260 | Barrier Layer UZE 08X 104M |
| C299 | 4040000190 | Barrier Layer UAT 05X 103K |
| C300 | 4040000250 | Barrier Layer UAT 08X 473M |
| C301 | 4040000250 | Barrier Layer UAT 08X 473M |
| C302 | 4020000330 | Cylinder UP125 SL 180J |
| C303 | 4010004840 | Ceramic DD305 F 104Z 12V |
| C304 | 4040000190 | Barrier Layer UAT 05X 103K |
| C305 | 4040000250 | Barrier Layer UAT 08X 473M |
| C306 | 4010004870 | Ceramic DD304 F 473Z 25V |
| C307 | 4010000180 | Ceramic DD104 SL 180J 50V |
| C308 | 4010004870 | Ceramic DD304 F 473Z 25V |
| C309 | 4040000150 | Barrier Layer UAT 05X 472K |
| C310 | 4040000150 | Barrier Layer UAT 05X 472K |
| C311 | 4510003790 | Electrolytic 16 MV 10 SW |
| C312 | 4040000150 | Barrier Layer UAT 05X 472K |
| C313 | 4010000520 | Ceramic DD108 B 472K 50V |
| C314 | 4010000520 | Ceramic DD108 B 472K 50V |
| C315 | 4010000340 | Ceramic DD105 SL 121J 50V |
| C316 | 4010000040 | Ceramic DD104 SL 020C 50V |
| C317 | 4010000180 | Ceramic DD104 SL 220J 50V |
| C318 | 4510003800 | Electrolytic 25 MV 4R7 SW |
| C319 | 4010000520 | Ceramic DD108 B 472K 50V |
| C320 | 4040000260 | Barrier Layer UZE 08X 104M |
| C321 | 4010000080 | Ceramic DD104 SL 040C 50V |
| C322 | 4010000080 | Ceramic DD104 SL 040C 50V |
| C323 | 4010000050 | Ceramic DD104 SL 030C 50V |
| C324 | 4040000260 | Barrier Layer UZE 08X 104M |
| C325 | 4040000150 | Barrier Layer UAT 05X 472K |
| C326 | 4040000090 | Barrier Layer UAT 04X 152K |
| C327 | 4550000350 | Tantalum DN 1V 010M |
| C328 | 4550000350 | Tantalum DN 1V 010M |
| C329 | 4510003910 | Electrolytic 16 MV 47 HW |
| C330 | 4040000190 | Barrier Layer UAT 05X 103K |
| C331 | 4040000190 | Barrier Layer UAT 05X 103K |
| C332 | 4550000410 | Tantalum DN 1V 4R7M |
| C333 | 4510003790 | Electrolytic 16 MV 10 SW |
| C334 | 4010000210 | Ceramic DD104 SL 300J 50V |
| C335 | 4010000900 | Ceramic DD107 CH 680J 50V |
| C336 | 4010000500 | Ceramic DD104 B 102K 50V |
| C337 | 4010000500 | Ceramic DD104 B 102K 50V |
| C338 | 4010000500 | Ceramic DD104 B 102K 50V |
| C339 | 4010000500 | Ceramic DD104 B 102K 50V |
| C340 | 4010000070 | Ceramic DD104 SL 050C 50V |
| EP1 | 0910023875 | P.C. Board B 2275E (MAIN) |

[MS-A UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|----------------------------------|
| IC1 | 1110000980 | IC NJM4558M(T1) |
| Q1 | 1530000160 | Transistor 2SC2712-Y (TE85RT EM) |
| D1 | 1790000590 | Diode MA110(TW) |
| D2 | 1790000450 | Diode MA862(TX) |
| D3 | 1790000590 | Diode MA110(TW) |
| D4 | 1790000490 | Diode HSM88AS-TR |
| R1 | 7030000560 | Resistor MCR10EZHZ 33 kΩ (333) |
| R2 | 7030000530 | Resistor MCR10EZHZ 18 kΩ (183) |
| R3 | 7030000700 | Resistor MCR10EZHZ 470 kΩ (474) |
| R4 | 7030000500 | Resistor MCR10EZHZ 10 kΩ (103) |
| R5 | 7030000570 | Resistor MCR10EZHZ 39 kΩ (393) |
| R6 | 7030000540 | Resistor MCR10EZHZ 22 kΩ (223) |
| R7 | 7030000970 | Resistor MCR10EZHZ 2.2 MΩ (225) |
| R8 | 7030001580 | Resistor MCR10EZHZ 1.5 MΩ (155) |
| R9 | 7030000700 | Resistor MCR10EZHZ 470 kΩ (474) |
| R10 | 7030000970 | Resistor MCR10EZHZ 2.2 MΩ (225) |
| R11 | 7030000380 | Resistor MCR10EZHZ 1 kΩ (102) |
| R12 | 7030000540 | Resistor MCR10EZHZ 22 kΩ (223) |
| C1 | 4030004720 | Ceramic C2012 JB 1H 102K- T-A |
| C3 | 4550002720 | Tantalum TESVD2 0J 476M-12 L |
| C4 | 4030004630 | Ceramic C2012 SL 1H 151J- T-A |
| EP1 | 6910002720 | Lead Frame HFB2.54-0.9-8 (N) |
| EP2 | 0910023583 | P.C. Board B 2268C (MS-A) |

[MS-B UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|---------------------------------|
| IC1 | 1110000980 | IC NJM4558M(T1) |
| R1 | 7030000600 | Resistor MCR10EZHZ 68 kΩ (683) |
| R2 | 7030000600 | Resistor MCR10EZHZ 68 kΩ (683) |
| R3 | 7030000600 | Resistor MCR10EZHZ 68 kΩ (683) |
| R4 | 7030000500 | Resistor MCR10EZHZ 10 kΩ (103) |
| R5 | 7030000420 | Resistor MCR10EZHZ 2.2 kΩ (222) |
| R6 | 7030000700 | Resistor MCR10EZHZ 470 kΩ (474) |
| R7 | 7030000380 | Resistor MCR10EZHZ 1 kΩ (102) |
| R8 | 7030000380 | Resistor MCR10EZHZ 1 kΩ (102) |
| R9 | 7030000530 | Resistor MCR10EZHZ 18 kΩ (183) |
| R10 | 7030000380 | Resistor MCR10EZHZ 1 kΩ (102) |
| R11 | 7030000390 | Resistor MCR10EZHZ 1.2 kΩ (122) |
| C1 | 4030004620 | Ceramic C2012 SL 1H 121J- T-A |
| C2 | 4030004730 | Ceramic C2012 JB 1H 222K- T-A |
| C3 | 4030004720 | Ceramic C2012 JB 1H 102K- T-A |
| C4 | 4030004730 | Ceramic C2012 JB 1H 222K- T-A |
| EP1 | 6910002720 | Lead Frame HFB2.54-0.9-8 (N) |
| EP2 | 0910023593 | P.C. Board B 2269C (MS-B) |

[MS-C UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------------------------|
| IC1 | 1110000980 | IC | NJM4558M(T1) |
| D1 | 1790000590 | Diode | MA110(TW) |
| R1 | 7030000340 | Resistor | MCR10EZJHJ 470 Ω (471) |
| R2 | 7030000970 | Resistor | MCR10EZJHJ 2.2 M Ω (225) |
| R3 | 7030000700 | Resistor | MCR10EZJHJ 470 k Ω (474) |
| R4 | 7030000460 | Resistor | MCR10EZJHJ 4.7 k Ω (472) |
| R5 | 7030000500 | Resistor | MCR10EZJHJ 10 k Ω (103) |
| R7 | 7030000740 | Resistor | MCR10EZJHJ 1 M Ω (105) |
| R8 | 7030000970 | Resistor | MCR10EZJHJ 2.2 M Ω (225) |
| R9 | 7030000740 | Resistor | MCR10EZJHJ 1 M Ω (105) |
| C1 | 4030004720 | Ceramic | C2012 JB 1H 102K- T-A |
| C2 | 4030004760 | Ceramic | C2012 JF 1E 104Z- T-A |
| C3 | 4030004740 | Ceramic | C2012 JB 1H 472K- T-A |
| C4 | 4030004720 | Ceramic | C2012 JB 1H 102K- T-A |
| C5 | 4030004420 | Ceramic | C2012 SL 1H 050C- T-A |
| EP1 | 6910002720 | Lead Frame | HFB2.54-0.9-8 (N) |
| EP2 | 0910023603 | P.C. Board | B 2270C (MS-C) |

[MS-D UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|--------------------------------|
| IC1 | 1110000980 | IC | NJM4558M(T1) |
| D1 | 1790000590 | Diode | MA110(TW) |
| R5 | 7030000540 | Resistor | MCR10EZJHJ 22 k Ω (223) |
| R6 | 7030000740 | Resistor | MCR10EZJHJ 1 M Ω (105) |
| R7 | 7030000740 | Resistor | MCR10EZJHJ 1 M Ω (105) |
| R8 | 7030000740 | Resistor | MCR10EZJHJ 1 M Ω (105) |
| R9 | 7030000740 | Resistor | MCR10EZJHJ 1 M Ω (105) |
| C3 | 4030004720 | Ceramic | C2012 JB 1H 102K- T-A |
| EP1 | 6910002720 | Lead Frame | HFB2.54-0.9-8 (N) |
| EP2 | 0910023613 | P.C. Board | B 2271C (MS-D) |

[MS-E UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------------------------|
| IC1 | 1110000980 | IC | NJM4558M(T1) |
| R2 | 7030000970 | Resistor | MCR10EZJHJ 2.2 M Ω (225) |
| R3 | 7030000500 | Resistor | MCR10EZJHJ 10 k Ω (103) |
| R4 | 7030000500 | Resistor | MCR10EZJHJ 10 k Ω (103) |
| R5 | 7030000500 | Resistor | MCR10EZJHJ 10 k Ω (103) |
| R6 | 7030000500 | Resistor | MCR10EZJHJ 10 k Ω (103) |
| R7 | 7030000620 | Resistor | MCR10EZJHJ 100 k Ω (104) |
| R8 | 7030000620 | Resistor | MCR10EZJHJ 100 k Ω (104) |
| R9 | 7030000970 | Resistor | MCR10EZJHJ 2.2 M Ω (225) |
| R10 | 7030000970 | Resistor | MCR10EZJHJ 2.2 M Ω (225) |
| R11 | 7030000500 | Resistor | MCR10EZJHJ 10 k Ω (103) |

[MS-E UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------------------------|
| R14 | 7030000970 | Resistor | MCR10EZJHJ 2.2 M Ω (225) |
| C1 | 4030004720 | Ceramic | C2012 JB 1H 102K- T-A |
| C2 | 4030003320 | Ceramic | GRM40 F 333Z 50PT |
| C3 | 4030003320 | Ceramic | GRM40 F 333Z 50PT |
| C4 | 4030004760 | Ceramic | C2012 JF 1E 104Z- T-A |
| C5 | 4030003590 | Ceramic | GRM40 B 152K 50PT |
| C6 | 4030003590 | Ceramic | GRM40 B 152K 50PT |
| C7 | 4030003590 | Ceramic | GRM40 B 152K 50PT |
| C8 | 4030004760 | Ceramic | C2012 JF 1E 104Z- T-A |
| EP1 | 6910002720 | Lead Frame | HFB2.54-0.9-8 (N) |
| EP2 | 0910023624 | P.C. Board | B 2272D (MS-E) |

[MS-F UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------------------------|
| IC1 | 1130001910 | IC | μ PD4011BG-T1 |
| IC2 | 1130001250 | IC | μ PD4066BG-T1 |
| D1 | 1790000590 | Diode | MA110(TW) |
| D2 | 1790000590 | Diode | MA110(TW) |
| D3 | 1790000590 | Diode | MA110(TW) |
| D4 | 1790000590 | Diode | MA110(TW) |
| R1 | 7030000580 | Resistor | MCR10EZJHJ 47 k Ω (473) |
| R2 | 7030000580 | Resistor | MCR10EZJHJ 47 k Ω (473) |
| R3 | 7030000580 | Resistor | MCR10EZJHJ 47 k Ω (473) |
| R4 | 7030000420 | Resistor | MCR10EZJHJ 2.2 k Ω (222) |
| R6 | 7030000580 | Resistor | MCR10EZJHJ 47 k Ω (473) |
| R7 | 7030000580 | Resistor | MCR10EZJHJ 47 k Ω (473) |
| R8 | 7030000460 | Resistor | MCR10EZJHJ 4.7 k Ω (472) |
| R9 | 7030000460 | Resistor | MCR10EZJHJ 4.7 k Ω (472) |
| EP1 | 6910002720 | Lead Frame | HFB2.54-0.9-8 (N) |
| EP2 | 0910023634 | P.C. Board | B 2273D (MS-F) |

[MS-G UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|--------------------------------|
| IC1 | 1130001910 | IC | μ PD4011BG-T1 |
| Q1 | 1530000180 | Transistor | 2SC2712-Y (TE85RT EM) |
| Q2 | 1530000180 | Transistor | 2SC2712-Y (TE85RT EM) |
| Q3 | 1590000400 | @Transistor | FETUN2114(TW) |
| Q4 | 1540000250 | Transistor | 2SD999-T2 CK |
| D1 | 1790000590 | Diode | MA110(TW) |
| D2 | 1790000590 | Diode | MA110(TW) |
| D3 | 1790000590 | Diode | MA110(TW) |
| D4 | 1790000590 | Diode | MA110(TW) |
| D5 | 1790000590 | Diode | MA110(TW) |
| D6 | 1790000590 | Diode | MA110(TW) |
| D7 | 1790000590 | Diode | MA110(TW) |
| R1 | 7030000500 | Resistor | MCR10EZJHJ 10 k Ω (103) |

[MS-G UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------------------|
| R2 | 7030000500 | Resistor | MCR10EZHZ 10 kΩ (103) |
| R3 | 7030000700 | Resistor | MCR10EZHZ 470 kΩ (474) |
| R4 | 7030000700 | Resistor | MCR10EZHZ 470 kΩ (474) |
| R5 | 7030000380 | Resistor | MCR10EZHZ 1 kΩ (102) |
| R6 | 7030000500 | Resistor | MCR10EZHZ 10 kΩ (103) |
| R7 | 7030000500 | Resistor | MCR10EZHZ 10 kΩ (103) |
| C1 | 4030003340 | Ceramic | GRM40 B 332K 50PT |
| C2 | 4030003360 | Ceramic | GRM40 F 473Z 50PT |
| EP1 | 6910002720 | Lead Frame | HFB2.54-0.9-8 (N) |
| EP2 | 0910023644 | P.C. Board | B 2274D (MS-G) |

[MS-I UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------------------|
| R3 | 7030000700 | Resistor | MCR10EZHZ 470 kΩ (474) |
| R4 | 7030000500 | Resistor | MCR10EZHZ 10 kΩ (103) |
| R5 | 7030000570 | Resistor | MCR10EZHZ 39 kΩ (393) |
| R6 | 7030000540 | Resistor | MCR10EZHZ 22 kΩ (223) |
| R7 | 7030000970 | Resistor | MCR10EZHZ 2.2 MΩ (225) |
| R8 | 7030001580 | Resistor | MCR10EZHZ 1.5 MΩ (155) |
| R9 | 7030000700 | Resistor | MCR10EZHZ 470 kΩ (474) |
| R10 | 7030000970 | Resistor | MCR10EZHZ 2.2 MΩ (225) |
| R11 | 7030000380 | Resistor | MCR10EZHZ 1 kΩ (102) |
| R12 | 7030000540 | Resistor | MCR10EZHZ 22 kΩ (223) |
| C1 | 4030004720 | Ceramic | C2012 JB 1H 102K- T-A |
| C3 | 4550002720 | Tantalum | TESVD2 0J 476M-12 L |
| C4 | 4030004630 | Ceramic | C2012 SL 1H 151J- T-A |
| EP1 | 6910002720 | Lead Frame | HFB2.54-0.9-8 (N) |
| EP2 | 0910023583 | P.C. Board | B 2268C (MS-I) |

[MS-H UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------------------|
| IC1 | 1110000960 | IC | NJM4558M(T1) |
| D1 | 1790000590 | Diode | MA110(TW) |
| D2 | 1790000590 | Diode | MA110(TW) |
| R1 | 7030000700 | Resistor | MCR10EZHZ 470 kΩ (474) |
| R2 | 7510000220 | Thermistor | DTN-T203S332LS(T) |
| R3 | 7030000580 | Resistor | MCR10EZHZ 33 kΩ (333) |
| R4 | 7030000580 | Resistor | MCR10EZHZ 33 kΩ (333) |
| R5 | 7030000580 | Resistor | MCR10EZHZ 47 kΩ (473) |
| R6 | 7030000580 | Resistor | MCR10EZHZ 47 kΩ (473) |
| R7 | 7030000700 | Resistor | MCR10EZHZ 470 kΩ (474) |
| R8 | 7510000220 | Thermistor | DTN-T203S332LS(T) |
| R9 | 7030000580 | Resistor | MCR10EZHZ 33 kΩ (333) |
| R10 | 7030000580 | Resistor | MCR10EZHZ 33 kΩ (333) |
| R11 | 7030000580 | Resistor | MCR10EZHZ 47 kΩ (473) |
| R12 | 7030000580 | Resistor | MCR10EZHZ 47 kΩ (473) |
| C1 | 4030004720 | Ceramic | C2012 JB 1H 102K- T-A |
| C2 | 4030004720 | Ceramic | C2012 JB 1H 102K- T-A |
| EP1 | 0910024722 | P.C. Board | B 2366B (MS-H) |
| EP2 | 6910002720 | Lead Frame | HFB2.54-0.9-8 (N) |

[FRONT UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------------------------------------------------------------|
| S1 | 2230000120 | Switch | SDDSA3159A [POWER] |
| S2 | 2260000310 | Switch | M-2012J |
| S3 | 7600000110 | Switch | [TRANSMIT/RECEIVE] SW-110 (E C24B50B00190) [RIT(SUB DIAL)] |
| EP2 | 6910003560 | Lead Frame | JSM5011-01-020 |
| EP12 | 6910000630 | Bead core | FSOH070RN |
| EP13 | 6910000630 | Bead core | FSOH070RN |

[SW(A) UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-------------------------|
| Q1 | 1590000350 | Transistor | RN1204 |
| R1 | 7010001120 | Resistor | R25XJ 560 Ω |
| R2 | 7010001120 | Resistor | R25XJ 560 Ω |
| DS1 | 5040001450 | LED | SLB-25VR 5F |
| DS2 | 5040001440 | LED | SLB-25YY 3F |
| S1 | 2230000820 | Switch | EVQ-QS2 05K [TONE(1)] |
| S2 | 2230000820 | Switch | EVQ-QS2 05K [DUP(2)] |
| S3 | 2230000820 | Switch | EVQ-QS2 05K [CHECK(3)] |
| S4 | 2230000820 | Switch | EVQ-QS2 05K [P-BEEP(4)] |
| S5 | 2230000820 | Switch | EVQ-QS2 05K [T-SQL(5)] |
| S6 | 2230000820 | Switch | EVQ-QS2 05K [SET(6)] |
| S7 | 2230000820 | Switch | EVQ-QS2 05K [PAGER(7)] |
| S8 | 2230000820 | Switch | EVQ-QS2 05K [C-SQL(8)] |
| S9 | 2230000820 | Switch | EVQ-QS2 05K [PITCH(9)] |
| S10 | 2230000820 | Switch | EVQ-QS2 05K [MHZ(+)] |
| S11 | 2230000820 | Switch | EVQ-QS2 05K [kHz(0)] |
| S12 | 2230000820 | Switch | EVQ-QS2 05K [BAND(ENT)] |
| S13 | 2230000820 | Switch | EVQ-QS2 05K [M/S] |
| S14 | 2230000820 | Switch | EVQ-QS2 05K [SUB] |
| S15 | 2230000810 | Switch | ESB-64801 [CLICK] |
| S16 | 2230000820 | Switch | EVQ-QS2 05K [FUNCTION] |

[MS-I UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-----------------------|
| IC1 | 1110000960 | IC | NJM4558M(T1) |
| Q1 | 1530000160 | Transistor | 2SC2712-Y (TE85RT EM) |
| D1 | 1790000590 | Diode | MA110(TW) |
| D2 | 1790000450 | Diode | MA862(TX) |
| D3 | 1790000590 | Diode | MA110(TW) |
| D4 | 1790000490 | Diode | HSM88AS-TR |
| R1 | 7030000580 | Resistor | MCR10EZHZ 33 kΩ (333) |
| R2 | 7030000530 | Resistor | MCR10EZHZ 18 kΩ (183) |

[SW(A) UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------------------|
| S17 | 2230000820 | Switch | EVQ-QS2 05K [SPLIT] |
| S18 | 2230000820 | Switch | EVQ-QS2 05K [A/B] |
| S19 | 2230000820 | Switch | EVQ-QS2 05K [A=B] |
| S20 | 2230000820 | Switch | EVQ-QS2 05K [CALL-1] |
| S21 | 2230000820 | Switch | EVQ-QS2 05K [CALL-2] |
| S22 | 2230000820 | Switch | EVQ-QS2 05K [RIT(RIT-CL)] |
| S23 | 2230000820 | Switch | EVQ-QS2 05K [MEMO(ENT)] |
| S24 | 2230000820 | Switch | EVQ-QS2 05K [MW(M-CL)] |
| S25 | 2230000820 | Switch | EVQ-QS2 05K [M→VFO(SKIP)] |
| S26 | 2230000810 | Switch | ESB-64801 [NOTCH] |
| EP1 | 0910023944 | P.C. Board | B 2314D (SW(A)) |

[SW(B) UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------------|-----------------------------------|
| IC1 | 1130003900 | IC | GD4066B |
| IC2 | 1110002020 | IC | TA7805S |
| Q4 | 1530000591 | Transistor | 2SC2785 EL |
| Q5 | 1590000350 | Transistor | RN1204 |
| Q6 | 1530000591 | Transistor | 2SC2785 EL |
| Q7 | 1510000080 | Transistor | 2SA1048-GR |
| Q8 | 1530000591 | Transistor | 2SC2785 EL |
| Q10 | 1590000340 | Transistor | RN1202 |
| D1 | 1710000160 | Diode | 1SS133 |
| D2 | 1710000160 | Diode | 1SS133 |
| D3 | 1710000160 | Diode | 1SS133 |
| D5 | 1710000160 | Diode | 1SS133 |
| D6 | 1710000160 | Diode | 1SS133 |
| D7 | 1710000160 | Diode | 1SS133 |
| L1 | 6910000670 | Coil | BT01RN1-A61-001 |
| L2 | 6910000670 | Coil | BT01RN1-A61-001 |
| R1 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R2 | 7010003620 | Resistor | ELR20J 47 kΩ |
| R3 | 7010003660 | Resistor | ELR20J 100 kΩ |
| R4 | 7010003440 | Resistor | ELR20J 2.2 kΩ |
| R13 | 7210001760 | Variable Resistor | EVU-FLAEA4B16 (1MB) [DELAY] |
| R14 | 7210001750 | Variable Resistor | EVU-FLAEA4B13 (1KB) [LEVEL] |
| R15 | 7210001770 | Variable Resistor | EVU-FLAEA4C55 (500KC) [KEY SPEED] |
| R17 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R18 | 7010003480 | Resistor | ELR20J 4.7 kΩ |
| R19 | 7010003490 | Resistor | ELR20J 5.6 kΩ |
| R20 | 7010003590 | Resistor | ELR20J 27 kΩ |
| R21 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R22 | 7010003340 | Resistor | ELR20J 330 Ω |
| R23 | 7010003520 | Resistor | ELR20J 8.2 kΩ |
| R24 | 7010003320 | Resistor | ELR20J 220 Ω |
| R26 | 7010003560 | Resistor | ELR20J 18 kΩ |
| R27 | 7010003780 | Resistor | ELR20J 1 MΩ |
| R28 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R29 | 7010003700 | Resistor | ELR20J 220 kΩ |
| R30 | 7010001110 | Resistor | R25XJ 470 Ω |
| R32 | 7310001070 | Trimmer | RV-174 (RH06 52CN2J04B)331 |
| R33 | 7010003510 | Resistor | ELR20J 6.8 kΩ |
| R39 | 7010003520 | Resistor | ELR20J 8.2 kΩ |
| R40 | 7010003660 | Resistor | ELR20J 100 kΩ |

[SW(B) UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------------|---------------------------------|
| R41 | 7010003400 | Resistor | ELR20J 1 kΩ |
| R42 | 7210001880 | Variable Resistor | EVU-FLAEA4C13 (1KC) [SIDE TONE] |
| C1 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C2 | 4510003880 | Electrolytic | 10 MV 47 HW |
| C3 | 4310000060 | Mylar | F2D 50V 223K |
| C4 | 4310000060 | Mylar | F2D 50V 223K |
| C5 | 4310000060 | Mylar | F2D 50V 223K |
| C6 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C7 | 4550000340 | Tantalum | DN 1C 100M |
| C8 | 4510003840 | Electrolytic | 50 MV 1 SW |
| C9 | 4550000350 | Tantalum | DN 1V 010M |
| C10 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C11 | 4530000270 | Capacitor Array | B8XC0114-32N |
| C12 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C13 | 4040000260 | Barrier Layer | UZE 08X 104M |
| C14 | 4040000240 | Barrier Layer | UAT 08X 333M |
| C15 | 4040000190 | Barrier Layer | UAT 05X 103K |
| C16 | 4550000340 | Tantalum | DN 1C 100M |
| C17 | 4010004840 | Ceramic | DD305 F 104Z 12V |
| C18 | 4040000260 | Barrier Layer | UZE 08X 104M |
| DS1 | 5080000060 | LED | BQ044-32582A |
| ME1 | 5510000350 | Meter | ME-27 [MULTI-FUNCTION] |
| S3 | 2230000810 | Switch | ESB-64801 [PREAMP] |
| S4 | 2230000810 | Switch | ESB-64801 [SP SEPARATE] |
| S5 | 2230000800 | Switch | SW-112 (SPPH2) [BK-IN] |
| S6 | 2230000800 | Switch | SW-112 (SPPH2) [COMP] |
| S7 | 2230000810 | Switch | ESB-64801 [AGC] |
| S8 | 2230000800 | Switch | SW-112 (SPPH2) [ELECT-KEY] |
| S9 | 2230000810 | Switch | ESB-64801 [NB] |
| S10 | 2230000810 | Switch | ESB-64801 [GENE ATT] |
| S11 | 2230000800 | Switch | SW-112 (SPPH2) [LOCK] |
| S12 | 2230000810 | Switch | ESB-64801 [S-RF/C-ALC] |
| S13 | 2230000820 | Switch | EVQ-QS2 05K [MODE-SELL] |
| S14 | 2230000820 | Switch | EVQ-QS2 05K [MULTI-BAND] |
| S15 | 2230000820 | Switch | EVQ-QS2 05K [MAIN(SCAN)] |
| S16 | 2230000820 | Switch | EVQ-QS2 05K [SUB(SCAN)] |
| S17 | 2230000820 | Switch | EVQ-QS2 05K [FM(FM)] |
| S18 | 2230000820 | Switch | EVQ-QS2 05K [SSB(FM-W)] |
| S19 | 2230000820 | Switch | EVQ-QS2 05K [CW/N(AM)] |
| S20 | 2230000820 | Switch | EVQ-QS2 05K [GENE] |
| S21 | 2230000820 | Switch | EVQ-QS2 05K [SPEECH] |
| EP1 | 0910023974 | P.C. Board | B 2304D (SW(B)) |

[SATE UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|------------------------|
| D1 | 1710000160 | Diode | 1SS133 |
| D2 | 1710000160 | Diode | 1SS133 |
| D3 | 1710000160 | Diode | 1SS133 |
| D4 | 1710000160 | Diode | 1SS133 |
| D5 | 1710000160 | Diode | 1SS133 |
| D6 | 1710000160 | Diode | 1SS133 |
| S1 | 2210000170 | Switch | SRBU16003A [SATELLITE] |
| EP1 | 0910024083 | P.C. Board | B 2306C (SATE) |

[NOTCH UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|-------------------------------------------------|
| R1 | 7210001780 | Variable Resistor RV-166(RK097111) 10KB [NOTCH] |
| R2 | 7010003400 | Resistor ELR20J 1 kΩ |
| EP1 | 0910023923 | P.C. Board B 2309C (NOTCH) |

[MEMO UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|---------------------------|
| S1 | 2260001230 | Switch SW-111 [MEMO-CH] |
| EP1 | 0910023913 | P.C. Board B 2308C (MEMO) |

[PHONE UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|----------------------------|
| R1 | 7010003280 | Resistor ELR20J 100 Ω |
| R2 | 7010003280 | Resistor ELR20J 100 Ω |
| EP1 | 0910024073 | P.C. Board B 2305C (PHONE) |

[SENSOR UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|--------------------------------|
| Q1 | 1170000140 | Transistor IS-486 |
| Q2 | 1170000140 | Transistor IS-486 |
| Q3 | 1170000140 | Transistor IS-486 |
| R1 | 7030000420 | Resistor MCR10EZJ 2.2 kΩ (222) |
| R2 | 7030000420 | Resistor MCR10EZJ 2.2 kΩ (222) |
| C1 | 4030001140 | Ceramic GRM40 F 103Z 50PT |
| C2 | 4030001140 | Ceramic GRM40 F 103Z 50PT |
| C3 | 4030001140 | Ceramic GRM40 F 103Z 50PT |
| C4 | 4030001140 | Ceramic GRM40 F 103Z 50PT |
| DS1 | 1170000150 | LED GL-480 |
| DS2 | 1170000150 | LED GL-480 |
| DS3 | 1170000150 | LED GL-480 |
| EP1 | 0910022873 | P.C. Board B 2210C (SENSOR) |

[MIC UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|-------------------------|
| EP1 | 0910008331 | P.C. Board B 792A (MIC) |

[VR UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION |
|----------|------------|------------------------------------------------------------------|
| Q1 | 1530000940 | Transistor 2SC1571G |
| Q2 | 1530000591 | Transistor 2SC2785 EL |
| Q3 | 1590000340 | Transistor RN1202 |
| Q4 | 1590000340 | Transistor RN1202 |
| Q5 | 1590000310 | FET 2SJ105-GR |
| Q6 | 1590000350 | Transistor RN1204 |
| Q7 | 1590000370 | Transistor RN2204 |
| Q8 | 1530000591 | Transistor 2SC2785 EL |
| Q9 | 1530000591 | Transistor 2SC2785 EL |
| Q10 | 1530000591 | Transistor 2SC2785 EL |
| Q11 | 1530000591 | Transistor 2SC2785 EL |
| D1 | 1710000580 | Diode 1SS265 |
| D2 | 1710000580 | Diode 1SS265 |
| D4 | 1710000160 | Diode 1SS133 |
| L1 | 6180000980 | Coil LAL 03NA 102K |
| R1 | 7210001790 | Variable Resistor RV-163(RK1242320) 10KBX2/10KC [AF/SQ(L(MAIN))] |
| R2 | 7210001790 | Variable Resistor RV-163(RK1242320) 10KBX2/10KC [AF/SQ(L(SUB))] |
| R3 | 7210001800 | Variable Resistor RV-164(RK1242320) 10KB/1KB/10KC [TONE/RF] |
| R4 | 7210001810 | Variable Resistor RV-165(RK124221) 10KBX2 [MIC/RF PWR] |
| R5 | 7010004190 | Resistor R20J 1 kΩ |
| R6 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R7 | 7010003660 | Resistor ELR20J 100 kΩ |
| R8 | 7010004030 | Resistor R20J 47 Ω |
| R9 | 7010004190 | Resistor R20J 1 kΩ |
| R10 | 7010003580 | Resistor ELR20J 22 kΩ |
| R11 | 7010003400 | Resistor ELR20J 1 kΩ |
| R12 | 7010003530 | Resistor ELR20J 10 kΩ |
| R13 | 7010003420 | Resistor ELR20J 1.5 kΩ |
| R14 | 7010003390 | Resistor ELR20J 820 Ω |
| R15 | 7010003440 | Resistor ELR20J 2.2 kΩ |
| R17 | 7010003480 | Resistor ELR20J 4.7 kΩ |
| R19 | 7010004410 | Resistor R20J 47 kΩ |
| R20 | 7010004270 | Resistor R20J 4.7 kΩ |
| R21 | 7010004320 | Resistor R20J 10 kΩ |
| R22 | 7010004190 | Resistor R20J 1 kΩ |
| R23 | 7010004320 | Resistor R20J 10 kΩ |
| R24 | 7010003380 | Resistor ELR20J 470 Ω |
| R25 | 7010003380 | Resistor ELR20J 470 Ω |
| R26 | 7010004320 | Resistor R20J 10 kΩ |
| R27 | 7010004490 | Resistor R20J 220 kΩ |
| R28 | 7010003400 | Resistor ELR20J 1 kΩ |
| R29 | 7010003400 | Resistor ELR20J 1 kΩ |
| R30 | 7010003660 | Resistor ELR20J 100 kΩ |
| R31 | 7010003400 | Resistor ELR20J 1 kΩ |
| R32 | 7010003400 | Resistor ELR20J 1 kΩ |
| R33 | 7010004250 | Resistor R20J 3.3 kΩ |
| C1 | 4040000150 | Barrier Layer UAT 05X 472K |
| C2 | 4510001730 | Electrolytic 50 RBP 0.47 μF |
| C3 | 4510004180 | Electrolytic 10 MV 220 HW |

[VR UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|---------------|--------------|
| C4 | 4040000250 | Barrier Layer | UAT 08X 473M |
| C5 | 4510003880 | Electrolytic | 10 MV 47 HW |
| C6 | 4510003940 | Electrolytic | 25 MV 4R7 HW |
| C7 | 4510003940 | Electrolytic | 25 MV 4R7 HW |
| C8 | 4510003800 | Electrolytic | 25 MV 4R7 SW |
| C11 | 4510003940 | Electrolytic | 25 MV 4R7 HW |
| C12 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C13 | 4510004160 | Electrolytic | 10 MV 220 HW |
| C15 | 4510003890 | Electrolytic | 16 MV 10 HW |
| C16 | 4510004160 | Electrolytic | 10 MV 220 HW |
| C17 | 4040000280 | Barrier Layer | UZE 08X 104M |
| C18 | 4040000280 | Barrier Layer | UZE 08X 104M |
| S1 | 2220000420 | Switch | ESD11H120 |
| EP1 | 0910024004 | P.C. Board | B 2307D (VR) |

[LED UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|---------------|
| Q1 | 1590000350 | Transistor | RN1204 |
| D1 | 1710000160 | Diode | 1SS133 |
| D2 | 1710000160 | Diode | 1SS133 |
| R1 | 7010003420 | Resistor | ELR20J 1.5 kΩ |
| R2 | 7010004160 | Resistor | R20J 560 Ω |
| R3 | 7010004160 | Resistor | R20J 560 Ω |
| R4 | 7010004210 | Resistor | R20J 1.5 kΩ |
| R5 | 7010003530 | Resistor | ELR20J 10 kΩ |
| R6 | 7010003550 | Resistor | ELR20J 15 kΩ |
| R7 | 7010004320 | Resistor | R20J 10 kΩ |
| R8 | 7010003550 | Resistor | ELR20J 15 kΩ |
| R9 | 7010004170 | Resistor | R20J 680 Ω |
| R10 | 7010004130 | Resistor | R20J 330 Ω |
| DS1 | 5040001430 | LED | SLB-25VR 3F |
| DS2 | 5040001460 | LED | SLB-25MG 3F |
| DS3 | 5040001460 | LED | SLB-25MG 3F |
| DS4 | 5040001430 | LED | SLB-25VR 3F |
| DS5 | 5040001420 | LED | SPB-25MVW F |
| EP1 | 0910024571 | P.C. Board | B 2345A (LED) |

[CONT UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------|-----------------------|
| L1 | 6140001220 | Coil | LR-147 |
| C38 | 4010004440 | Ceramic | DE7090 B 102K VA1 -KC |
| C39 | 4010004440 | Ceramic | DE7090 B 102K VA1 -KC |

[SW-REG UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|----------|------------|-------------------|---------------------------------|
| IC1 | 1710000320 | Photo Interrupter | N110 |
| IC2 | 1110000190 | IC | μ PC1042C |
| Q1 | 1510000050 | Transistor | 2SA1015-Y |
| Q2 | 1530002160 | Transistor | 2SC3162 |
| Q3 | 1530002160 | Transistor | 2SC3162 |
| Q4 | 1530000750 | Transistor | 2SC2307 |
| Q5 | 1530000750 | Transistor | 2SC2307 |
| D1 | 1790000190 | Diode | KBPC806 |
| D2 | 1710000350 | Diode | 1N4002 |
| D3 | 1710000350 | Diode | 1N4002 |
| D4 | 1710000690 | Diode | FML-32S |
| D5 | 1710000690 | Diode | FML-32S |
| L2 | 6140000460 | Coil | LR-66 |
| L3 | 6140000470 | Coil | LR-67 |
| L4 | 6180000280 | Coil | LB4-102J |
| L5 | 6140000450 | Coil | LR-65A |
| L6 | 5920000080 | Coil | TC-2A |
| L8 | 5920000120 | Coil | TI-5 |
| R1 | 7010004800 | Resistor | R50XJ 68 kΩ |
| R2 | 7010004800 | Resistor | R50XJ 68 kΩ |
| R3 | 7010004810 | Resistor | R50XJ 150 kΩ |
| R4 | 7010001380 | Resistor | R25XJ 68 kΩ |
| R5 | 7100000120 | Resistor | SRW2P 3 Ω (3R0) |
| R6 | 7010000190 | Resistor | ELR25J 33 Ω |
| R7 | 7010001210 | Resistor | R25XJ 3.3 kΩ |
| R9 | 7010000500 | Resistor | ELR25J 10 kΩ |
| R10 | 7010000450 | Resistor | ELR25J 4.7 kΩ |
| R11 | 7010000330 | Resistor | ELR25J 470 Ω |
| R12 | 7010004800 | Resistor | R50XJ 68 kΩ |
| R13 | 7010004800 | Resistor | R50XJ 68 kΩ |
| R14 | 7310000970 | Trimmer | EVN5AC A00B14 (103) |
| R15 | 7010000520 | Resistor | ELR25J 15 kΩ |
| R16 | 7010000450 | Resistor | ELR25J 4.7 kΩ |
| R17 | 7010000450 | Resistor | ELR25J 4.7 kΩ |
| R18 | 7010000450 | Resistor | ELR25J 4.7 kΩ |
| R19 | 7310000990 | Trimmer | EVN5AC A00BQ4 (473) |
| R20 | 7010000500 | Resistor | ELR25J 10 kΩ |
| R21 | 7010000480 | Resistor | ELR25J 6.8 kΩ |
| R22 | 7010000440 | Resistor | ELR25J 3.9 kΩ |
| R23 | 7010000670 | Resistor | ELR25J 220 kΩ |
| R24 | 7010000500 | Resistor | ELR25J 10 kΩ |
| R25 | 7010000330 | Resistor | ELR25J 470 Ω |
| R26 | 8930003890 | Resistor | PX306 |
| R27 | 7010000520 | Resistor | ELR25J 15 kΩ |
| R28 | 7010000090 | Resistor | ELR25J 4.7 Ω |
| R29 | 7010000090 | Resistor | ELR25J 4.7 Ω |
| R30 | 7010000870 | Resistor | R25XJ 4.7 Ω |
| R31 | 7010000870 | Resistor | R25XJ 4.7 Ω |
| R32 | 7010000950 | Resistor | R25XJ 22 Ω |
| R33 | 7010000950 | Resistor | R25XJ 22 Ω |
| R34 | 7080000100 | Resistor | RSF3B 100 Ω J |
| R35 | 7070000260 | Resistor | CRH200 R-02J 22 Ω (220) |
| R36 | 7070000240 | Resistor | CRH100X R-02J 3.9 Ω (3R9) |
| R37 | 7540000030 | Absorber | ERZC07DK431 |
| C1 | 4010004240 | Ceramic | DE7100 F 222M VA1 -KC |
| C2 | 4010004240 | Ceramic | DE7100 F 222M VA1 -KC |
| C3 | 4010004130 | Ceramic | DD09 B 222K 500V |
| C4 | 4010004130 | Ceramic | DD09 B 222K 500V |
| C5 | 4010004130 | Ceramic | DD09 B 222K 500V |
| C6 | 4010004130 | Ceramic | DD09 B 222K 500V |
| C7 | 4510000350 | Electrolytic | CS042DRT681 (HPF2 00 680 μF) |
| C8 | 4510000350 | Electrolytic | CS042DRT681 (HPF2 00 680 μF) |
| C9 | 4510002780 | Electrolytic | 16 SS 10 μF |
| C10 | 4010000530 | Ceramic | DD112 B 103K 50V |
| C11 | 4010000530 | Ceramic | DD112 B 103K 50V |
| C12 | 4510002900 | Electrolytic | 25 SS 470 μF |

[SW-REG UNIT]

| REF. NO. | ORDER NO. | DESCRIPTION | |
|-------------|--------------|--------------|--------------------------------------|
| C13 | 4030001210 | Ceramic | C5650 Y5V 1H 684Z |
| C14 | 4510000570 | Electrolytic | 16 MS 2200 μ F |
| C15 | 4010004440 | Ceramic | DE7090 B 102K VA1 -KC |
| C16 | 4010004440 | Ceramic | DE7090 B 102K VA1 -KC |
| C17 | 4010004210 | Ceramic | DD63 YZ 203Z 500V |
| C18 | 4510000080 | Electrolytic | 250 RHJ 33 μ F |
| C19 | 4510000080 | Electrolytic | 250 RHJ 33 μ F |
| C20 | 4010004240 | Ceramic | DE7100 F 222M VA1 -KC |
| C21 | 4010000520 | Ceramic | DD108 B 472K 50V |
| C22 | 4310000010 | Mylar | F2D 50V 102K |
| C23 | 4510003050 | Electrolytic | TMG 2G 335K (DC400V 3.3 μ F) |
| C24 | 4010004130 | Ceramic | DD09 B 222K 500V |
| C25 | 4010004130 | Ceramic | DD09 B 222K 500V |
| C26 | 4010004130 | Ceramic | DD09 B 222K 500V |
| C27 | 4010004470 | Ceramic | DD12 B 472K 500V |
| C28 | 4010004210 | Ceramic | DD63 YZ 203Z 500V |
| C29 | 4010000410 | Ceramic | DD107 SL 331J 50V |
| C30 | 4510000090 | Electrolytic | ECEA16Z470 |
| C31 | 4510000090 | Electrolytic | ECEA16Z470 |
| C32 | 4510000090 | Electrolytic | ECEA16Z470 |
| C33 | 4510000090 | Electrolytic | ECEA16Z470 |
| C34 | 4510002840 | Electrolytic | 25 SS 10 μ F |
| C35 | 4010004650 | Ceramic | DD410 SR 224M 12V |
| C36 | 4010004650 | Ceramic | DD410 SR 224M 12V |
| C37 | 4310000060 | Mylar | F2D 50V 223K |
| RL1 | 6330000200 | Relay | VS-12TBN-E |

SECTION 4 ADJUSTMENT PROCEDURES

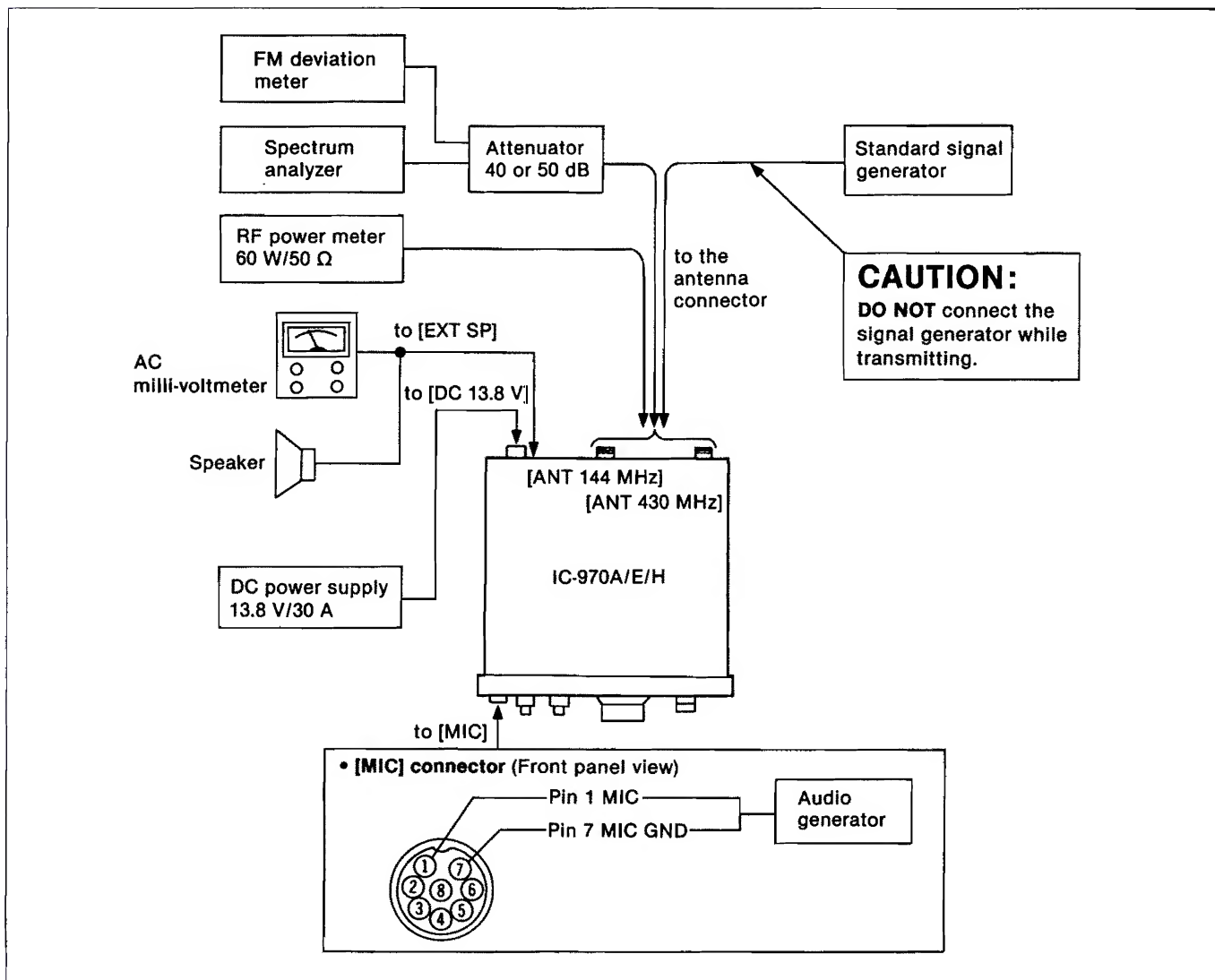
4-1 PREPARATION BEFORE SERVICING

■ REQUIRED TEST EQUIPMENT

| EQUIPMENT | GRADE AND RANGE | EQUIPMENT | GRADE AND RANGE |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|
| DC power supply | Output voltage : 13.8 V DC Current capacity : 20 A or more | DC voltmeter | Input impedance : 50 k Ω /DC or better |
| RF power meter | Measuring range : 1~60 W Frequency range : 0.1~500 MHz Impedance : 50 Ω SWR : Less than 1.2 : 1 | AC milli-voltmeter | Measuring range : 10 mV~10 V |
| Frequency counter | Frequency range : 0.1~470 MHz Frequency accuracy: ± 1 ppm or better Sensitivity : 100 mV or better | External speaker | Impedance : 8 Ω |
| RF voltmeter | Frequency range : 0.1~470 MHz Measuring range : 0.01~10 V | Ammeter | Measuring range : 1 A and 20 A |
| Standard signal generator (SSG) | Frequency range : 0.1~470 MHz Output level : -127~-17 dBm (0.1 μ V~32 mV) | Audio generator (AG) | Frequency range : 300~3000Hz Output level : 1~500 mV |
| Oscilloscope | Frequency range : DC~20 MHz Measuring range : 0.01~10 V | Attenuator | Power attenuation : 40 or 50 dB Capacity : 60 W or more |
| | | Spectrum analyzer | Frequency minimum: At least 1000 MHz Spectrum bandwidth: ± 100 kHz or more |
| | | FM deviation meter | Frequency minimum: 470 MHz Measuring range : 0~10 kHz |

CW : clockwise CCW : counterclockwise CP : check point

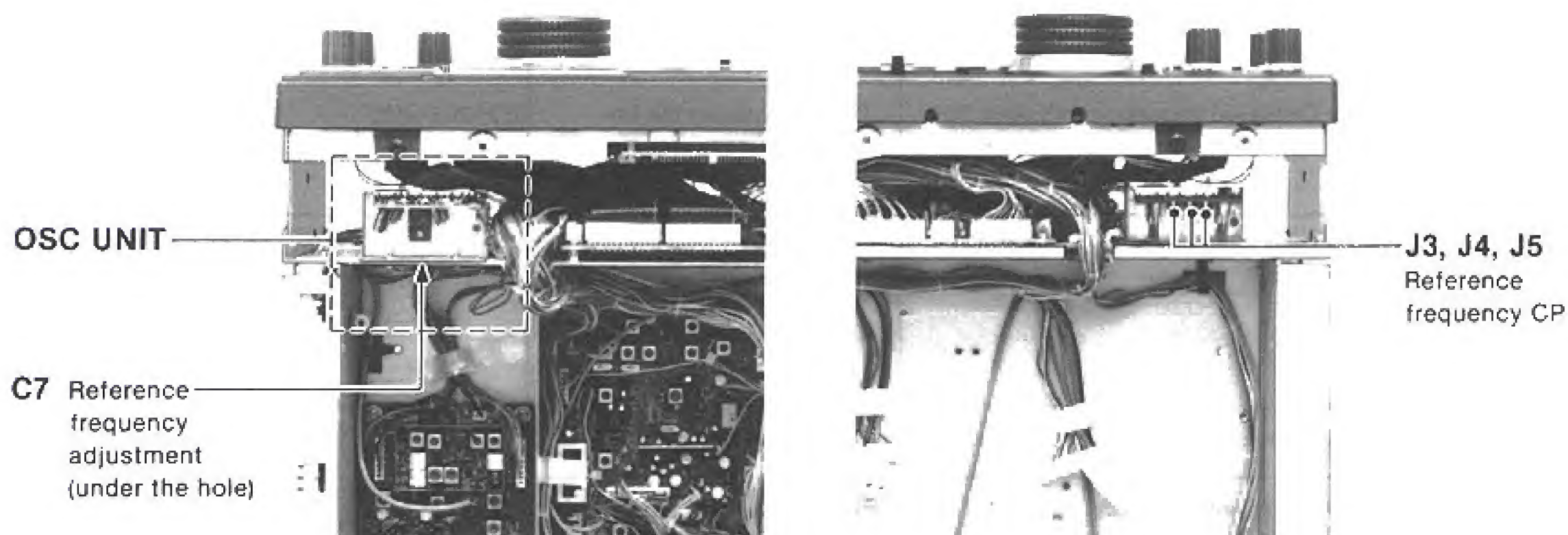
■ CONNECTION



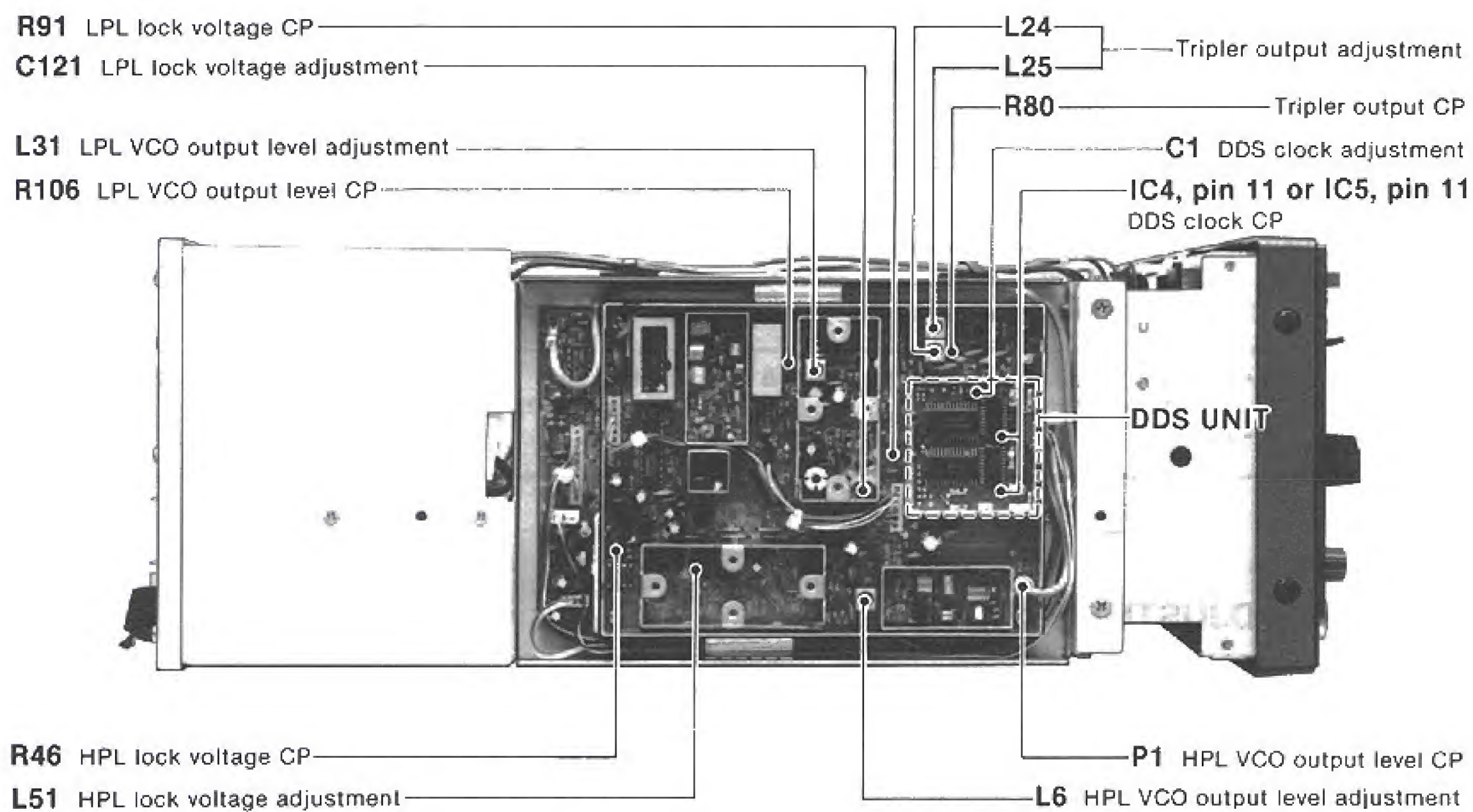
4-2 PLL-A ADJUSTMENT

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|----------------------|---|----------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|-----------------------------------|------------------|----------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| REFERENCE FREQUENCY | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : USB Receiving | OSC | Connect the frequency counter to J3, J4 or J5. | 30.2 MHz | OSC(B) | C7 |
| TRIPLER OUTPUT | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : USB | PLL-A | Connect the RF voltmeter to R80. | Maximum level (Approx. 141 mVrms) | PLL-A | L24, L25 |
| DDS CLOCK | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : USB | DDS | Connect the frequency counter to IC4, pin 11 or IC5, pin 11. | 5.24288 MHz | DDS | C1 |
| LPL LOCK VOLTAGE | 1 | <ul style="list-style-type: none"> Displayed frequency: 144.0500 MHz Mode : FM | PLL-A | Connect the DC voltmeter to R91. | 1.0 V | PLL-A | C121 |
| | 2 | <ul style="list-style-type: none"> Displayed frequency: 144.0490 MHz Mode : FM | | | Approx. 1.2 V | | Verify |
| LPL VCO OUTPUT LEVEL | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM | PLL-A | Connect the RF voltmeter to R106. | Approx. 0.18 Vrms | PLL-A | L31 |
| HPL LOCK VOLTAGE | 1 | <ul style="list-style-type: none"> Displayed frequency: 146.0000 MHz Mode : FM | PLL-A | Connect the DC voltmeter to R46. | 3.0 V | PLL-A | L51 |
| | 2 | <ul style="list-style-type: none"> Displayed frequency: 136.0000 MHz Mode : FM | | | Approx. 2.0 V | | Verify |
| | 3 | <ul style="list-style-type: none"> Displayed frequency: 174.0000 MHz Mode : FM | | | Approx. 6.5 V | | Verify |
| HPL VCO OUTPUT LEVEL | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM | PLL-A | Terminate P1 to a ground with a 50 Ω resistor. Connect the RF voltmeter to P1. | More than 0 dBm | PLL-A | L6 |
| | 2 | After adjustment, remove the resistor from P1 and re-plug P1. | | | | | |

OSC UNIT



PLL-A UNIT



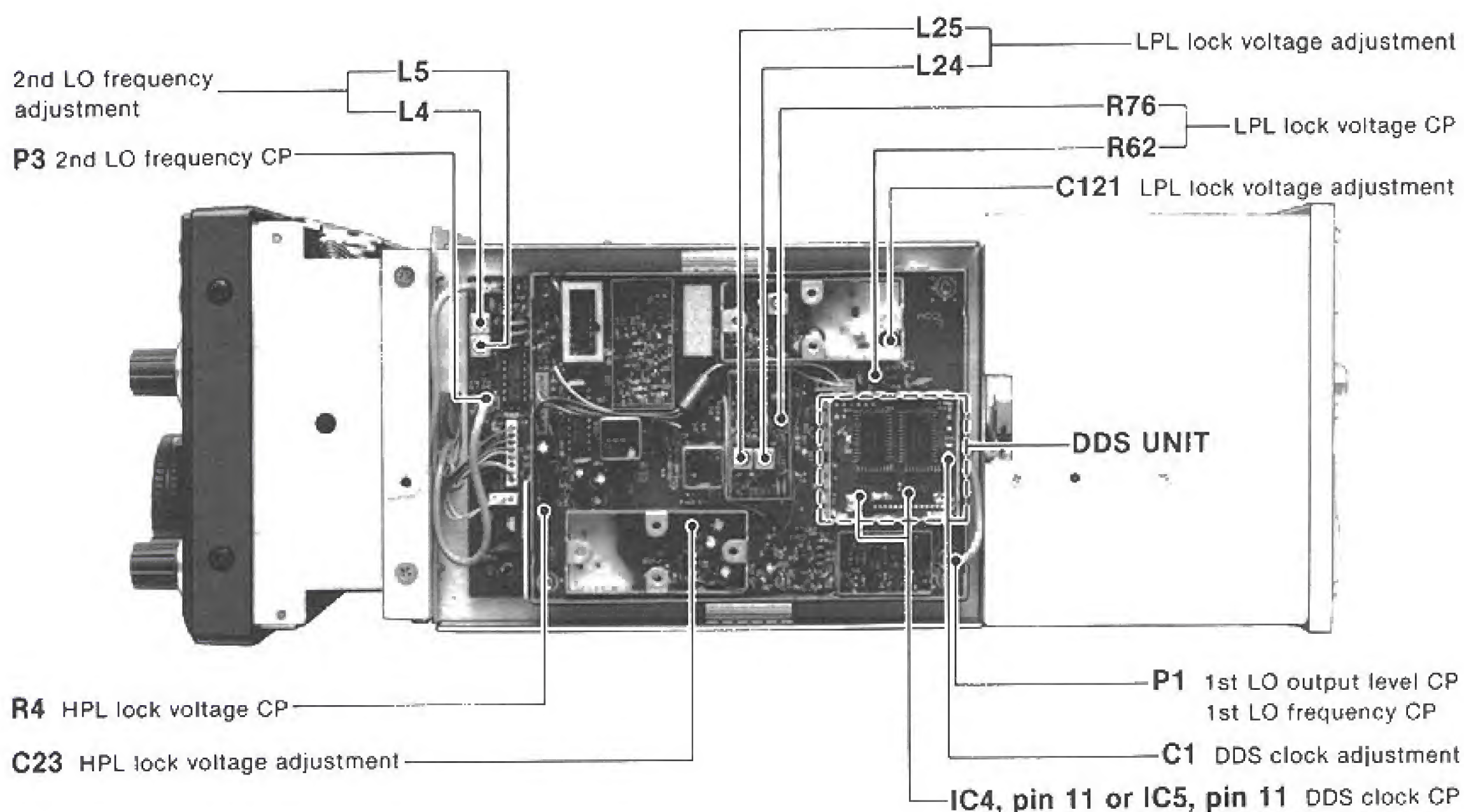
4-3 PLL-B ADJUSTMENT

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT | |
|---------------------|---|--------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|--------------------|------------|----------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| DDS CLOCK | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : USB | DDS | Connect the frequency counter to IC4 pin 11 or IC5 pin 11. | 5.24288 MHz | DDS | C1 |
| 2ND LO FREQUENCY | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : USB | PLL-B | Terminate P3 to a ground with a 50 Ω resistor. Connect the RF voltmeter to P3. | More than - 10 dBm | PLL-B | L4, L5 |
| | 2 | After adjustment, remove the resistor from P3 and replug P3. | | | | | |
| LPL LOCK VOLTAGE | 1 | <ul style="list-style-type: none"> Displayed frequency: 430.0500 MHz Mode : FM | PLL-B | Connect the DC voltmeter to R62. | 1.0 V | PLL-B | C121 |
| | 2 | <ul style="list-style-type: none"> Displayed frequency: 430.0490 MHz Mode : FM | | | Approx. 1.15 V | | Verify |
| | 3 | | | Connect the oscilloscope to R76. | Maximum level | | L25, L24 |
| HPL LOCK VOLTAGE | 1 | <ul style="list-style-type: none"> Displayed frequency: 430.0000 MHz Mode : FM | PLL-B | Connect the DC voltmeter to R4. | 2.0 V | PLL-B | C23 |
| | 2 | <ul style="list-style-type: none"> Displayed frequency: 440.0000 MHz Mode : FM | | | Approx. 3.0 V | | Verify |
| 1ST LO OUTPUT LEVEL | 1 | <ul style="list-style-type: none"> Displayed frequency: 435.0000 MHz | PLL-B | Terminate P1 to ground with a 50 Ω resistor. Connect the RF voltmeter to P1. | More than 0 dBm | PLL-B | Verify |
| | 2 | After adjustment, remove the resistor from P1 and replug P1. | | | | | |
| 1ST LO FREQUENCY | 1 | Turn power ON and wait at least 5 minutes before adjustment. | | | | | |
| | 2 | <ul style="list-style-type: none"> Displayed frequency: 440.0000 MHz (MAIN band) Mode : FM | PLL-B | Connect the frequency counter to P1. | 368.7500 MHz | OSC (B) | C7 |

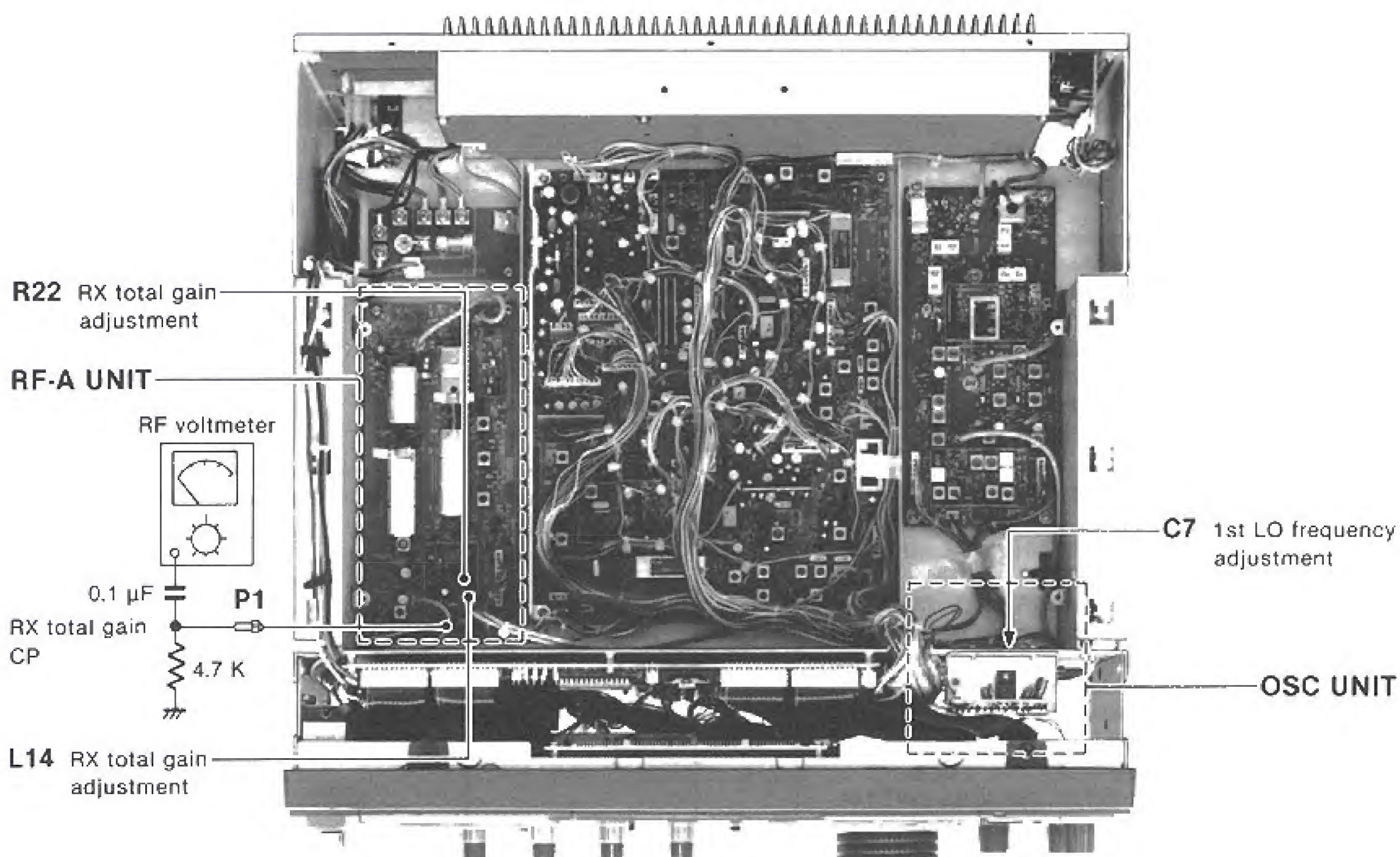
4-4 RF-A ADJUSTMENT

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT | |
|---------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------|---------------|------------|--------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| RX TOTAL GAIN | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB | RF-A | Connect the RF voltmeter to P1 as shown in the diagram. | Maximum level | RF-A | L14 |
| | 2 | <ul style="list-style-type: none"> Connect the SSG to the [ANT 144 MHz] connector and set as: Level : - 30 dBm R22 : Max. CW | | | - 12 dBm | | R22 |

PLL-B UNIT



RF-A AND OSC UNITS

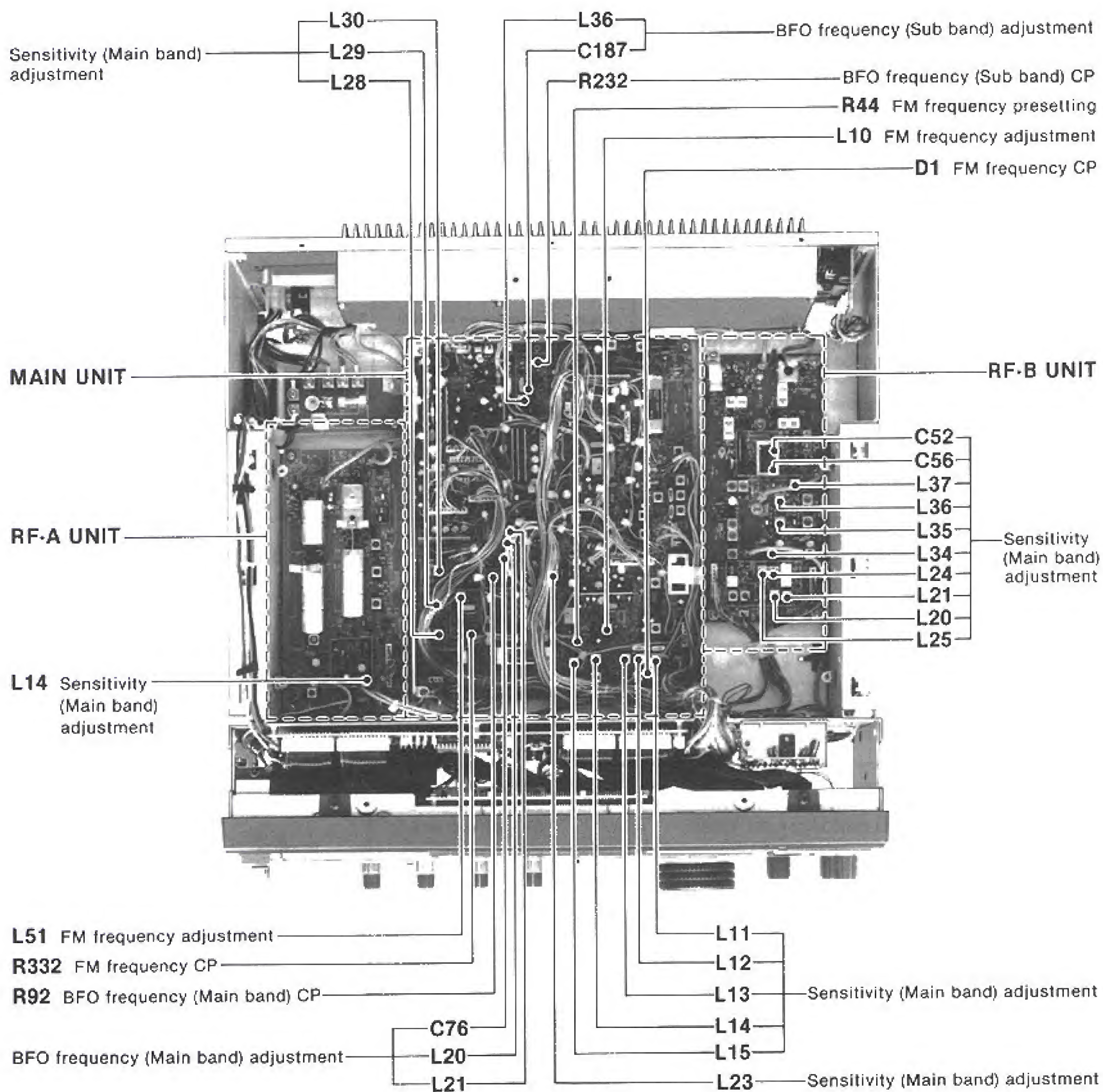


4-5 RECEIVER ADJUSTMENT

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|----------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------|--------------------------------|--------------------|--------------------------------------------------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| BFO FRE- QUENCY (MAIN BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 144.0000 MHz Mode : LSB Receiving | MAIN | Connect the frequency counter to R92. | 10.8515 MHz | MAIN | C76 |
| | 2 | <ul style="list-style-type: none"> Mode : CW Transmitting | | | 10.8491 MHz | | L20 |
| | 3 | <ul style="list-style-type: none"> Mode : USB Receiving | | | 10.8485 MHz | | L21 |
| | 4 | <ul style="list-style-type: none"> Mode : CW Receiving | | | 10.8483 MHz (± 150 Hz) | | Verify |
| BFO FRE- QUENCY (SUB BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 144.0000 MHz Mode : LSB Receiving | MAIN | Connect the frequency counter to R232. | 10.9515 MHz | MAIN | C187 |
| | 2 | <ul style="list-style-type: none"> Mode : USB Receiving | | | 10.9485 MHz | | L36 |
| | 3 | <ul style="list-style-type: none"> Mode : CW Receiving | | | 10.9483 MHz (± 150 Hz) | | Verify |
| FM FRE- QUENCY (ONLY FOR MAIN BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 144.0000 MHz Mode : FM R44 : Max. CW Transmitting | MAIN | Connect the frequency counter to D1. | 10.8500 MHz | MAIN | L10 |
| | 2 | | | Connect the frequency counter to R332. | 10.3950 MHz | | L51 |
| SENSITIVITY (MAIN BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level : $3.2 \mu V^*$ (-97 dBm) Modulation : 1 kHz Deviation : 3.5 kHz | Front panel | S-meter | Maximum level | Adjust in sequence | |
| | | | | | | RF-A | L14 |
| | 2 | | | | | MAIN | L11, L12, L13, L14, L15 |
| | 3 | <ul style="list-style-type: none"> Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the SSG to the [ANT 430 MHz] connector. | Rear panel | Connect an AC millivoltmeter to the [EXT SP] jack with an 8Ω load. | Maximum audio output level | RF-B | C56, C52, L37, L36, L35, L34, L25, L24, L21, L20 |
| | 4 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level : $3.2 \mu V^*$ (-97 dBm) Modulation : 1 kHz Deviation : 5 kHz | | | | MAIN | L23 |
| | 5 | <ul style="list-style-type: none"> Mode : USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level : $0.1 \mu V^*$ (-127 dBm) Modulation : OFF | | | | | Adjust in sequence L28, L29, L30 |

* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

MAIN, RF-A AND RF-B UNITS

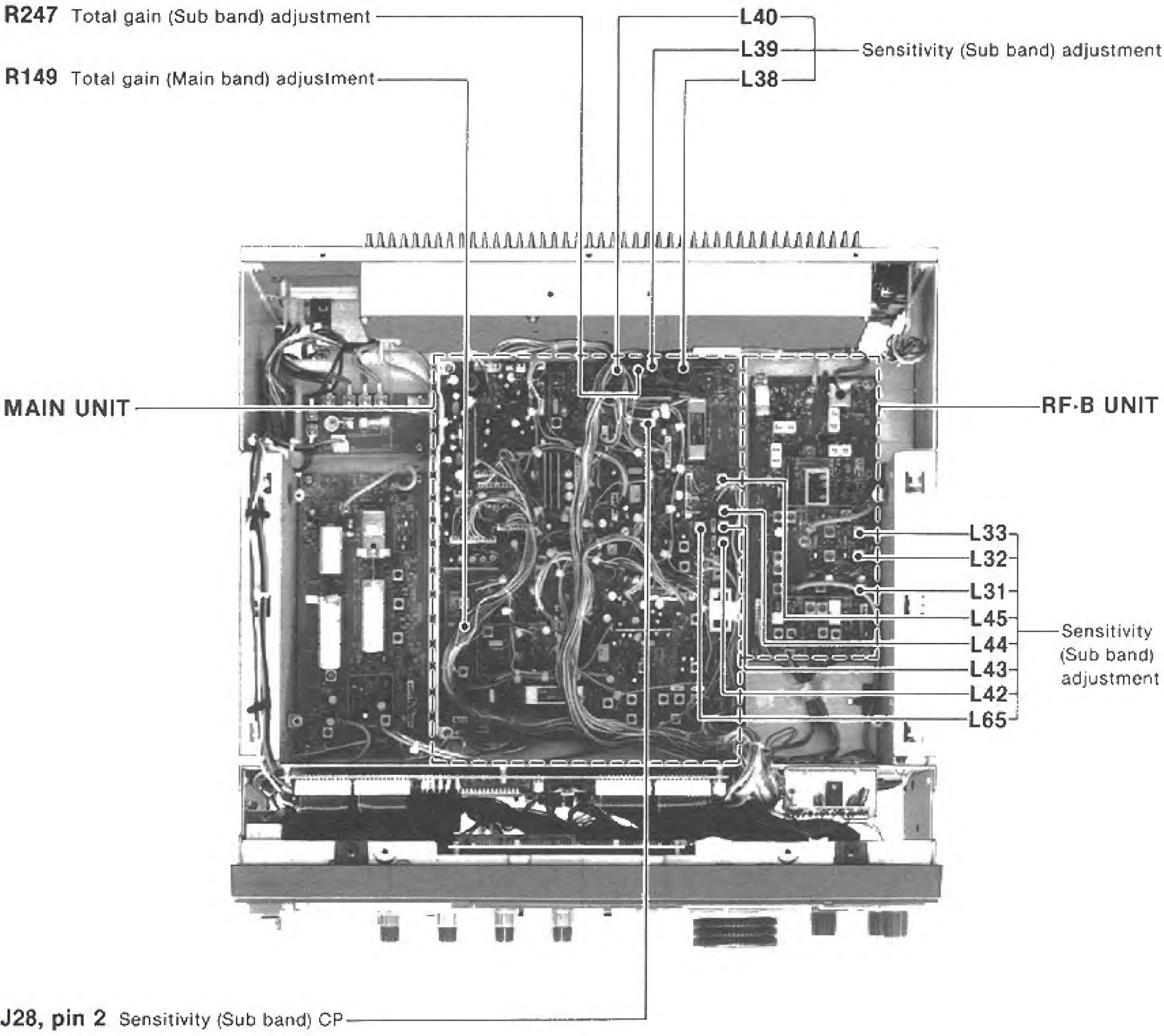


RECEIVER ADJUSTMENT (CONTINUED)

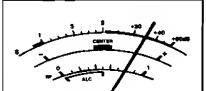
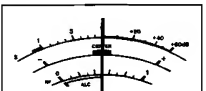


| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------|----------------------------|---------------------|----------------------------------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| SENSITIVITY (SUB BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 3.2 μV* (– 97 dBm) Modulation : 1 kHz Deviation : 3.5 kHz | MAIN | Connect the DC voltage meter to J28, pin 2. | Maximum level | Adjust in sequence. | |
| | | | | | | MAIN | L42, L43, L65, L44, L45 |
| | 2 | <ul style="list-style-type: none"> Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the SSG to the [ANT 430 MHz] connector. | | | | RF-B | L33, L32, L31 |
| | 3 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 0.1 μV* (– 127 dBm) Modulation : OFF | Rear panel | Connect an AC millivoltmeter to the [EXT SP] jack with an 8 Ω load. | Maximum audio output level | MAIN | Adjust in sequence L38, L39, L40 |
| TOTAL GAIN (MAIN BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 50 μV* (– 73 dBm) Modulation : OFF | Rear panel | Connect an AC millivoltmeter to the [EXT SP] jack with an 8 Ω load. | 0 dB | Front panel | [AF] control |
| | 2 | • SSG Level :OFF | | | – 20 dB | MAIN | R149 |
| TOTAL GAIN (SUB BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level : 50 μV* (– 73 dBm) Modulation : OFF | Rear panel | Connect an AC millivoltmeter to the [EXT SP] jack with an 8 Ω load. | 0 dB | Front panel | [AF] control |
| | 2 | • SSG Level :OFF | | | – 20 dB | MAIN | R247 |

* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

MAIN AND RF-B UNITS

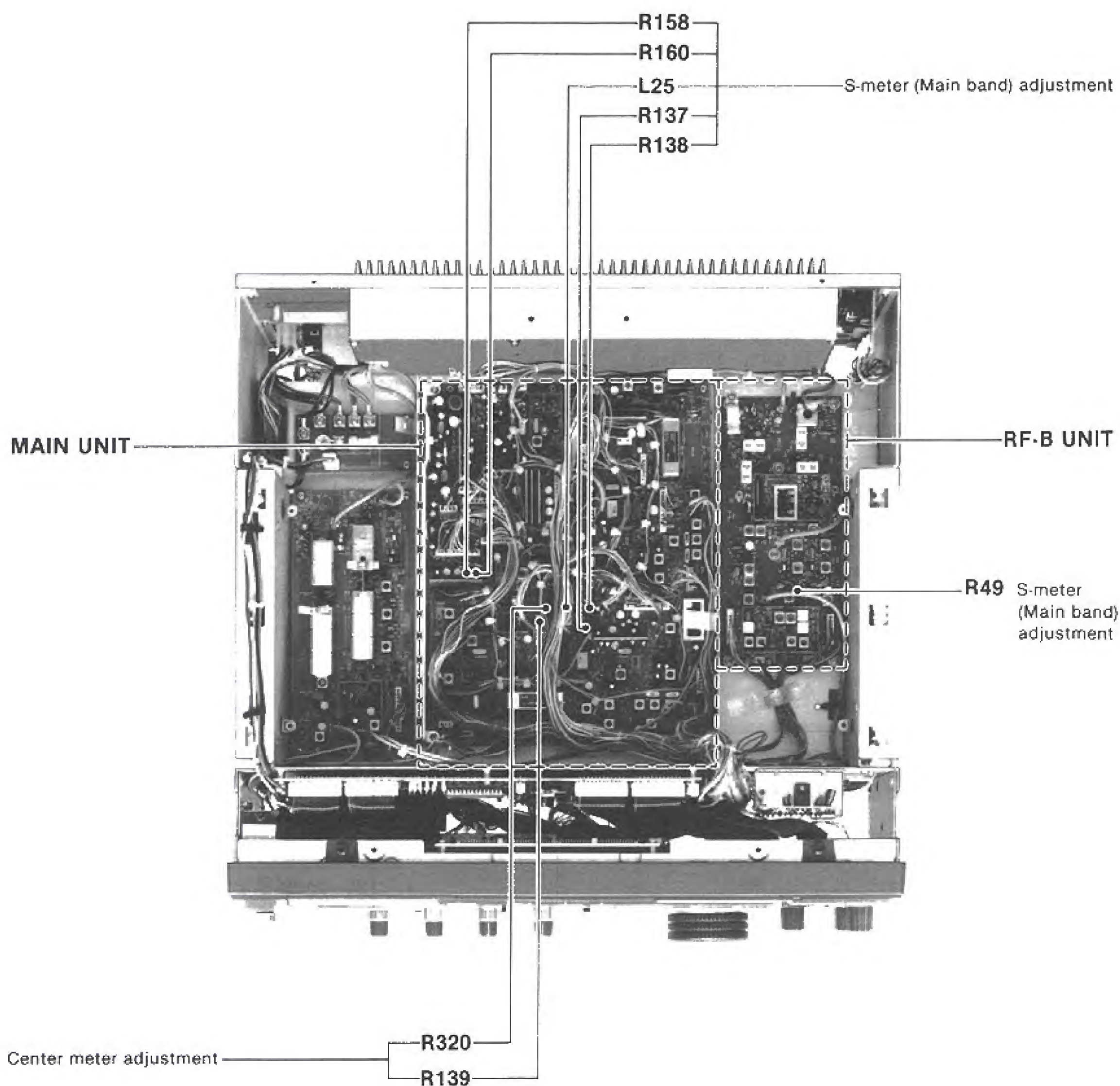


RECEIVER ADJUSTMENT (CONTINUED)

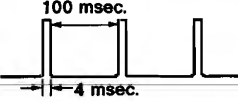
| ADJUST MENT | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----------------------------------------------------------------------------------------------------------------|------------------|--------|
| | | UNIT | LOCATION | | UNIT | ADJUST |
| CENTER METER (ONLY FOR MAIN BAND) | 1 <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM [S•RF/C•ALC] switch: IN (Center meter) Connect the SSG to the [ANT 144 MHz] connector and set as: <ul style="list-style-type: none"> Level : 32 μV* (– 77dBm) Modulation : 1 kHz Deviation : 3.5 kHz Slowly rotate the main dial counter-clockwise and stop the main dial when the indicator needle reaches the maximum right position. Receiving | Front panel | Center meter | 80%  | MAIN | R320 |
| | 2 <ul style="list-style-type: none"> SSG Level :OFF | | | Center  | MAIN | R139 |
| | 3 Repeat steps 1 and 2 several times. | | | | | |
| | 4 <ul style="list-style-type: none"> SSG Level :32 μV* (– 77dBm) Rotate the main dial. | Front panel | Center meter | 30~80% | | Verify |
| S-METER (MAIN BAND) | 1 <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB [S•RF/C•ALC] switch: OUT (S-meter) Connect the SSG to the [ANT 144 MHz] connector and set as: <ul style="list-style-type: none"> Level : 3.2 μV* (– 97 dBm) Modulation : OFF | Front panel | S-meter | S9  | MAIN | R160 |
| | 2 <ul style="list-style-type: none"> SSG Level : 1 mV* (– 47 dBm) | | | S9 + 60 dB (Full scale)  | | R158 |
| | 3 <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: <ul style="list-style-type: none"> Level : 1 μV* (– 107 dBm) Modulation : 1 kHz Deviation : 3.5 kHz | | | Maximum level | | L25 |
| | 4 <ul style="list-style-type: none"> SSG Level : 3.2 μV* (– 97 dBm) | | | S9 | | R137 |
| | 5 <ul style="list-style-type: none"> SSG Level : 0.1 mV* (– 67 dBm) | | | S9 + 60 dB (Full scale) | | R138 |
| | 6 <ul style="list-style-type: none"> Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Connect the SSG to the [ANT 430 MHz] connector and set as: <ul style="list-style-type: none"> Level : 3.2 μV* (– 97 dBm) | | | S9 | RF-B | R49 |

* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

MAIN AND RF-B UNITS

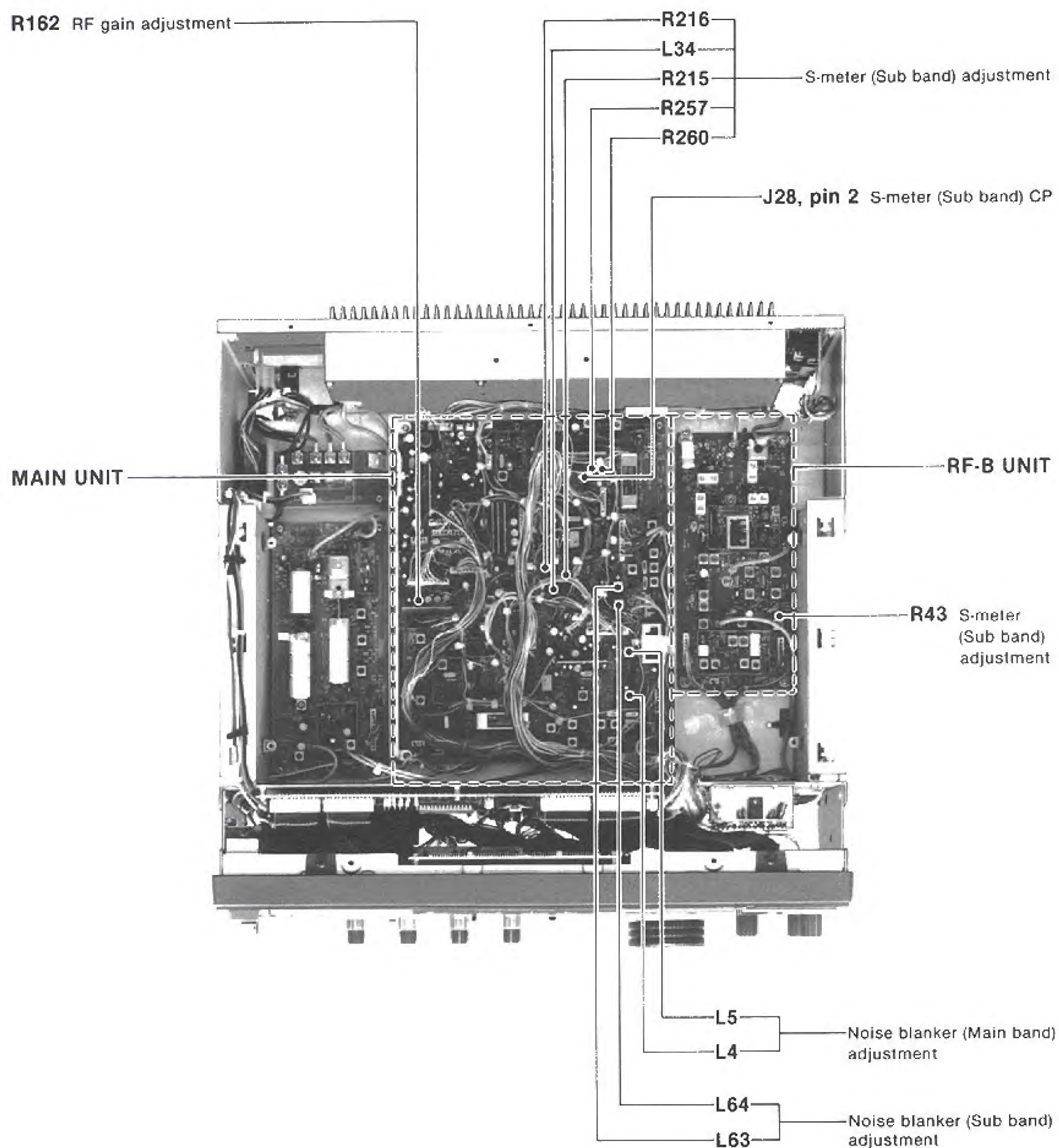


RECEIVER ADJUSTMENT (CONTINUED)

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|---------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------|-------------------------|------------------|----------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| S-METER (SUB BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB Connect the SSG to the [ANT 144 MHz] connector and set as: Level : $3.2 \mu V^*$ (− 97 dBm) Modulation : OFF | Front panel | S-meter | S9 | MAIN | R260 |
| | 2 | <ul style="list-style-type: none"> SSG Level : $1 mV^*$ (− 47 dBm) | | | S9 + 60 dB (Full scale) | | R257 |
| | 3 | <ul style="list-style-type: none"> Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level : $1 \mu V^*$ (− 107 dBm) Modulation : 1 kHz | MAIN | Connect the DC voltmeter to J28, pin 2. | Maximum level | MAIN | L34 |
| | 4 | <ul style="list-style-type: none"> SSG Level : $3.2 \mu V^*$ (− 97 dBm) | Front panel | S-meter | S9 | MAIN | R215 |
| | 5 | <ul style="list-style-type: none"> SSG Level : $0.1 mV^*$ (− 67 dBm) | | | S9 + 60 dB (Full scale) | | R216 |
| | 6 | <ul style="list-style-type: none"> Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) Mode : FM Connect the SSG to the [ANT 430 MHz] connector and set as: Level : $3.2 \mu V^*$ (− 97 dBm) Modulation : 1 kHz Deviation : 3.5 kHz | | | S9 | RF-B | R43 |
| RF GAIN (ONLY FOR MAIN BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB [RF GAIN] control : Max. CCW | Front panel | S-meter | S9 + 60 dB (Full scale) | MAIN | R162 |
| | 2 | <ul style="list-style-type: none"> Mode : FM Connect the SSG to the [ANT 144 MHz] connector and set as: Level : $32 \mu V^*$ (− 77 dBm) Modulation : OFF [RF GAIN] control : Max. CCW | | | S9 + 20 dB | | Verify |
| NOISE BLANKER (MAIN BAND) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) Mode : USB [NB] switch : ON (IN) Connect the SSG to the [ANT 144 MHz] connector and set as: Level : $3.2 \mu V^*$ (− 97 dBm) Apply the following pulse noise to the [ANT 144 MHz] connector.  | Top panel | Speaker | Minimum noise level | MAIN | L4, L5 |
| | 2 | Same conditions as described above. | | | Minimum noise level | MAIN | L63, L64 |

* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

MAIN AND RF-B UNITS

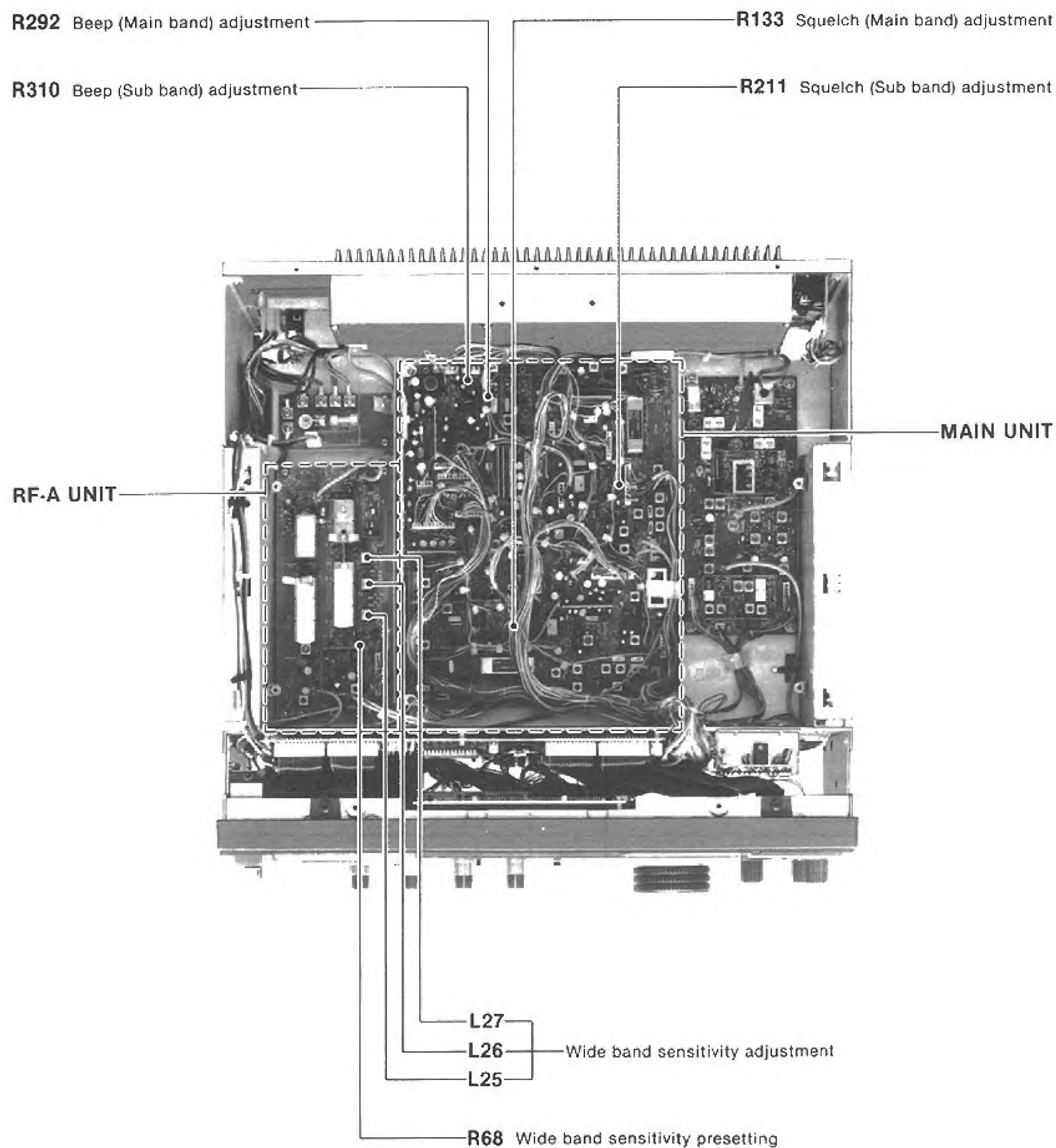


RECEIVER ADJUSTMENT (CONTINUED)

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT | |
|------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------|----------------------------------------------------------------------|------------|-------------------------------------------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| SQUELCH (MAIN AND SUB BANDS) | 1 | <ul style="list-style-type: none"> • Mode : USB • Receiving no signal | | | Squelch closes near the 9:30 position of the [SQUELCH] control. | | Verify |
| | 2 | <ul style="list-style-type: none"> • Mode : FM | | | Squelch closes near the 9 o'clock position of the [SQUELCH] control. | MAIN | R133 for main band. R211 for sub band. |
| BEEP | 1 | <ul style="list-style-type: none"> • [AF] control : 10 o'clock position | Rear panel | Connect the oscilloscope to the [EXT SP] jack with an 8 Ω load. | 0.5 Vp-p | MAIN | R292 for main band. R310 for sub band. |
| WIDE BAND SENSITIVITY | 1 | <ul style="list-style-type: none"> • Displayed frequency: 144.0000 MHz • Mode : FM • Ground the lead of R68 with the wire on the RF-A unit. • Connect the SSG to the [ANT 144 MHz] connector and set as: <ul style="list-style-type: none"> Level : 3.2 μV* (−97 dBm) Modulation : 1 kHz Deviation : 3.5 kHz | Front panel | S-meter | Maximum level | RF-A | Adjust in sequence L27, L26, L25 |
| | 2 | After adjustment, remove the wire from R68. | | | | | |

* This output level of the standard signal generator (SSG) is indicated as SSG's open circuit.

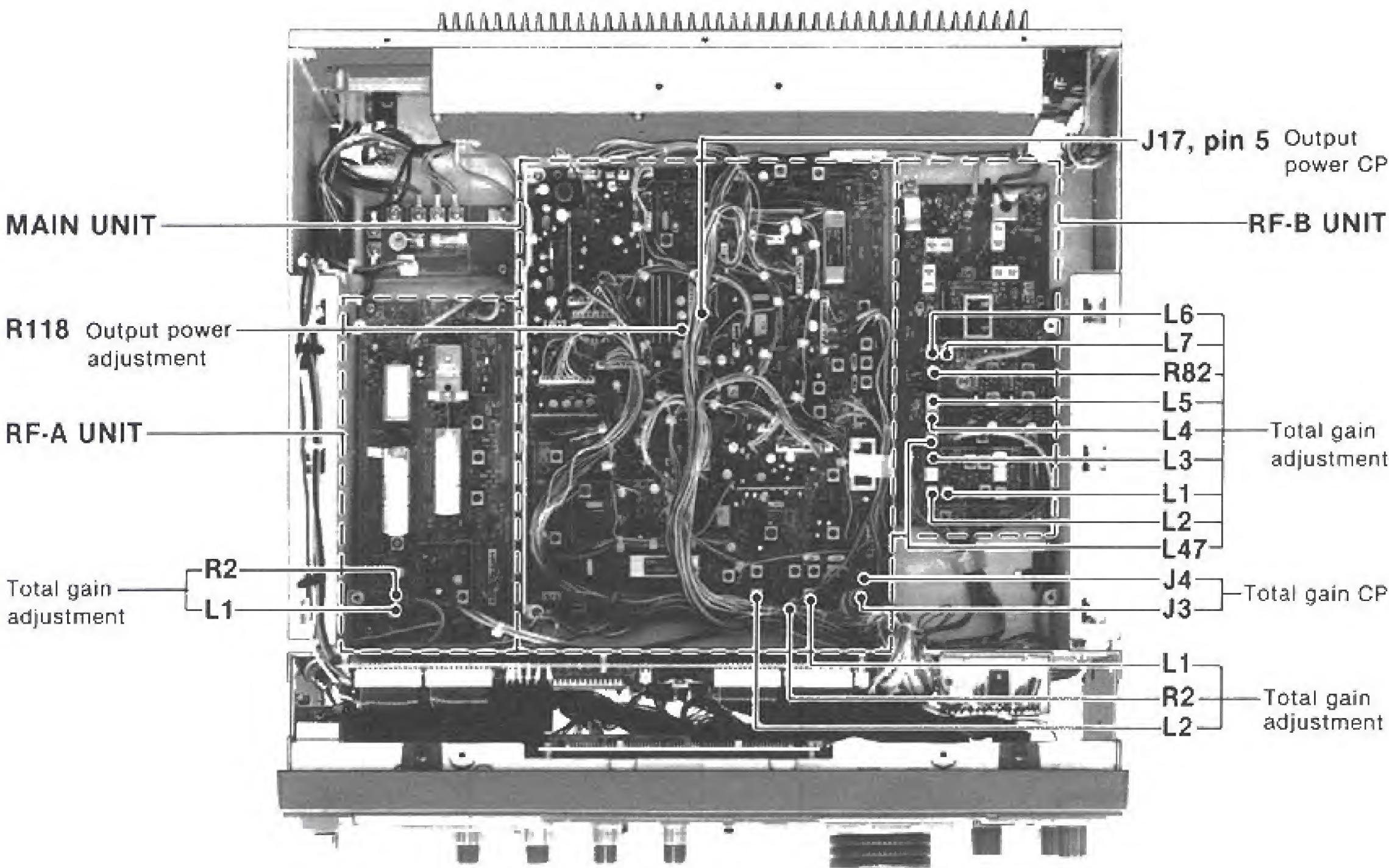
MAIN AND RF-A UNITS



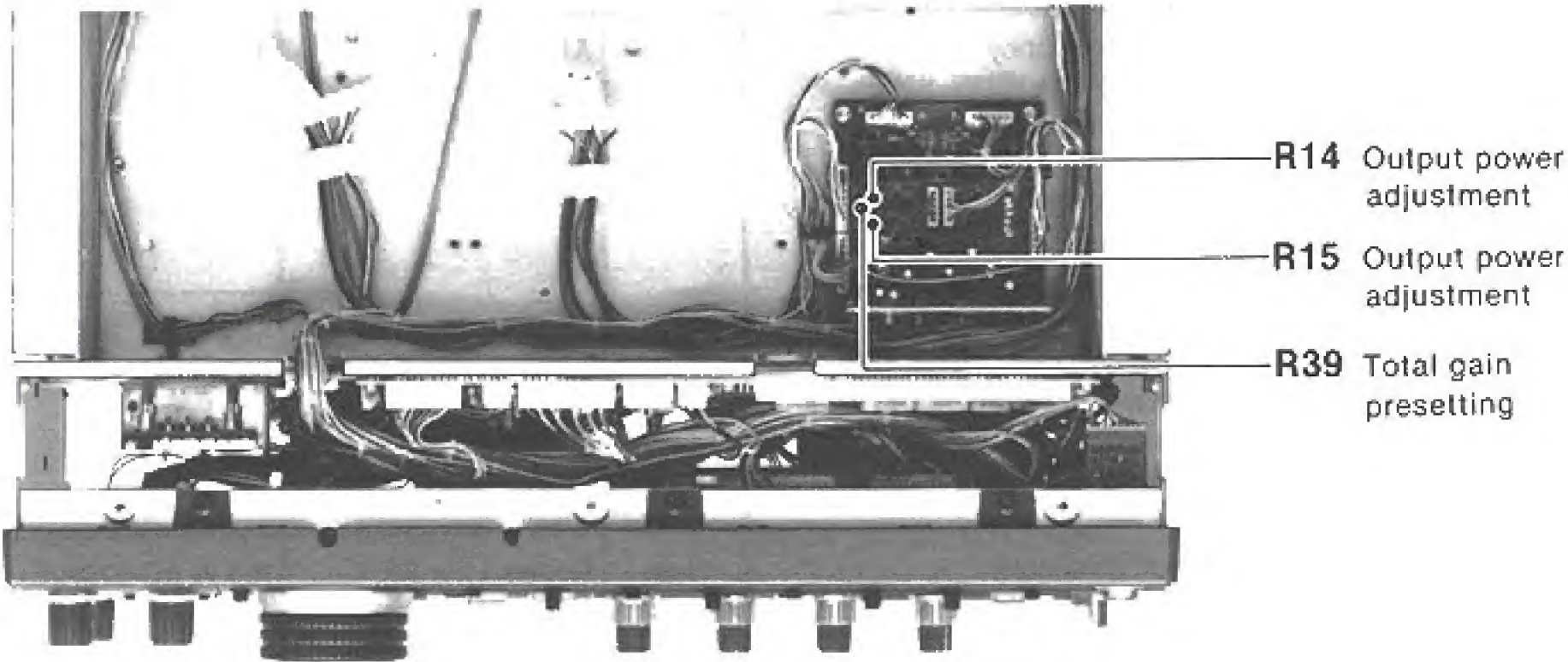
4-6 TRANSMITTER ADJUSTMENT

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT | |
|--------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|------------------------------------|------------|------------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| TOTAL GAIN | 1 | <ul style="list-style-type: none">• Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS)• Mode : USB• [MIC] control : Center• Connect the AG to the [MICRO-PHONE] connector and set as: Level : 2 mV Modulation : 1.5 kHz• Transmitting | MAIN | Connect the RF volt-meter to J3 or J4. | Maximum level | MAIN | L1, L2 |
| | 2 | | | | − 22 dBm | | R2 |
| | 3 | <ul style="list-style-type: none">• Ground the lead of R39 on the CTRL unit with the wire.• Connect the AG to the [MICRO-PHONE] connector and set as: Level : 2 mV Modulation : 1.5 kHz• Transmitting | Rear panel | Connect the RF power meter to the [ANT 144 MHz] connector. | Maximum level | RF-A | L1 |
| | 4 | | | | 13 W (IC-970A/E) 18 W (IC-970H) | | R2 |
| | 5 | <ul style="list-style-type: none">• Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS)• Mode : USB• Ground the lead of R39 on the CTRL unit with the wire.• Connect the AG to the [MICRO-PHONE] connector and set as: Level : 2 mV Modulation : 1.5 kHz• Transmitting | | Connect the RF power meter to the [ANT 430 MHz] connector. | Maximum level | RF-B | L1~L7, L47 |
| | 6 | | | 13 W (IC-970A/E) 16 W (IC-970H) | R82 | | |
| | 7 | After adjustment, remove the wire from R39. | | | | | |
| OUTPUT POWER | 1 | <ul style="list-style-type: none">• Displayed frequency: 146.0000 MHz• Mode : USB• [MIC] control : Center• [RF PWR] control : Max. CW• Connect the AG to the [MICRO-PHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz• Transmitting | MAIN | Connect the DC volt-meter to J17, pin 5. | 3.0 V | MAIN | R118 |
| | 2 | <ul style="list-style-type: none">• Displayed frequency: 146.0000 MHz (EUR, SWE) 148.0000 MHz (USA, AUS)• Mode : USB• [MIC] control : Center• [RF PWR] control : Max. CW• Connect the AG to the [MICRO-PHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz• Transmitting | Rear panel | Connect the RF power meter to the [ANT 144 MHz] connector. | 25 W (IC-970A/E) 35 W (IC-970H) | CTRL | R15 |
| | 3 | <ul style="list-style-type: none">• Displayed frequency: 440.0000 MHz (EUR, SWE) 450.0000 MHz (USA, AUS)• Mode : USB• [MIC] control : Center• [RF PWR] control : Max. CW• Connect the AG to the [MICRO-PHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz• Transmitting | | Connect the RF power meter to the [ANT 430 MHz] connector. | 25 W (IC-970A/E) 30 W (IC-970H) | | R14 |

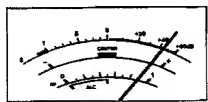
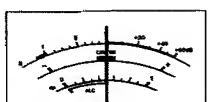
MAIN, RF-A AND RF-B UNITS



CTRL UNIT



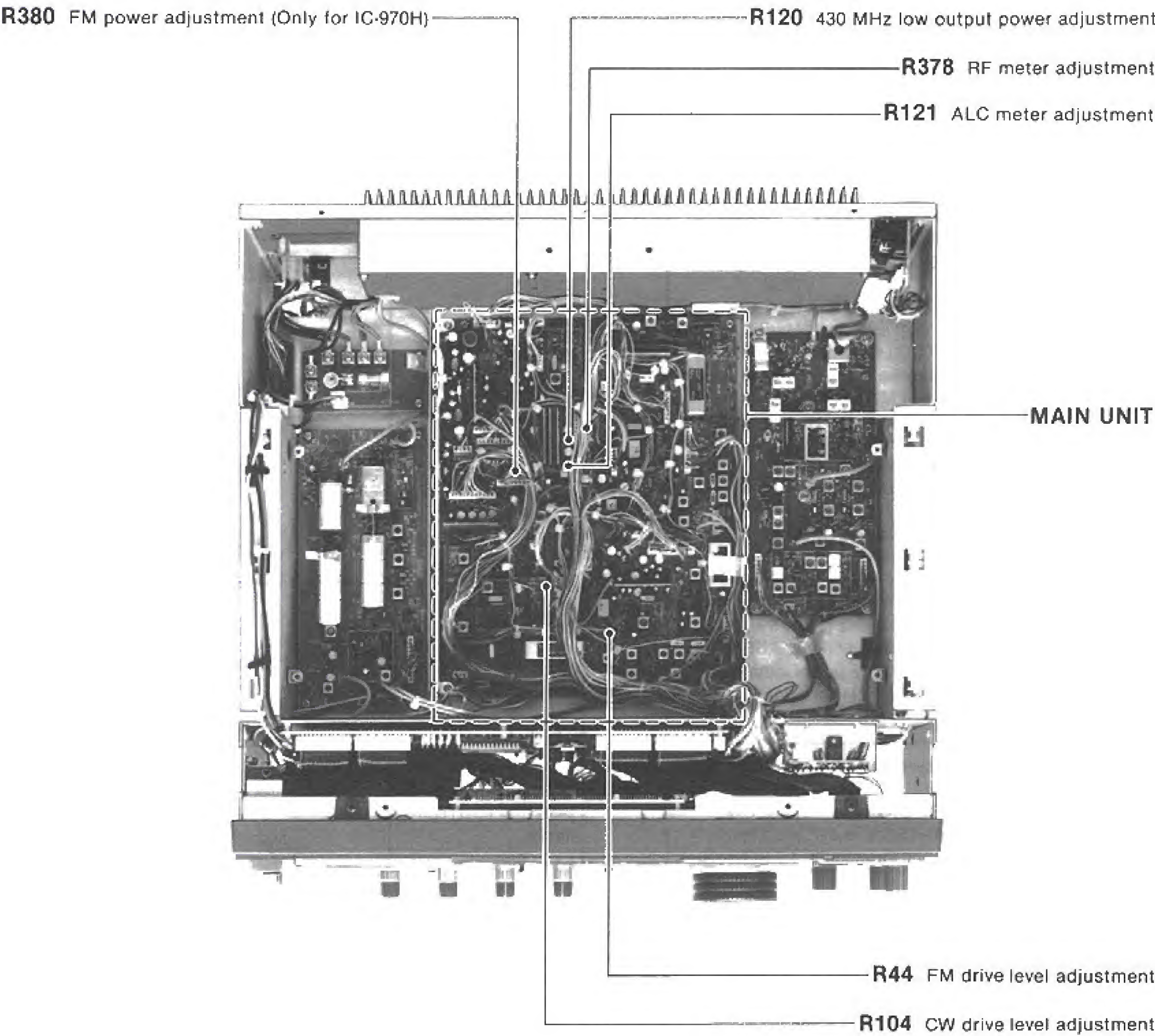
TRANSMITTER ADJUSTMENT (CONTINUED)

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|-----------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|------------------------------------------------------------------------------------|------------------|--------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| RF METER | 1 | <ul style="list-style-type: none">• Displayed frequency: 440.0000 MHz (EUR, SWE) 450.0000 MHz (USA, AUS)• Mode : USB• [MIC] control : Center• [RF PWR] control : Max. CW• [S•RF/C•ALC] switch: OUT• Connect the RF power meter to the [ANT 430 MHz] connector.• Connect the AG to the [MICROPHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz• Transmitting | Front panel | RF meter | 90% | MAIN | R378 |
| | | | | |  | | |
| ALC METER | 1 | <ul style="list-style-type: none">• Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS)• Mode : USB• [MIC] control : Center• [RF PWR] control : Max. CW• [S•RF/C•ALC] switch: IN• Connect the RF power meter to the [ANT 430 MHz] connector.• Connect the AG to the [MICROPHONE] connector and set as: Level : 10 mV Modulation : 1.5 kHz• Transmitting | Front panel | ALC meter | 100 % | MAIN | R121 |
| | | | | |  | | |
| FM POWER (ONLY FOR IC-970H) | 1 | <ul style="list-style-type: none">• Displayed frequency: 440.0000 MHz (EUR, SWE) 450.0000 MHz (USA, AUS)• Mode : FM• [RF PWR] control : Max. CW• Transmitting | Rear panel | Connect the RF power meter to the [430 MHz ANT] connector. | 40 W | MAIN | R380 |
| | 2 | <ul style="list-style-type: none">• Displayed frequency: 144.0000 MHz• Mode : FM• [RF PWR] control : Max. CW• Transmitting | | Connect the RF power meter to the [144 MHz ANT] connector. | 46~50 W | | Verify |
| FM, CW DRIVE LEVEL | 1 | <ul style="list-style-type: none">• Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS)• Mode : FM• [RF PWR] control : Max. CW• Transmitting | Front panel | ALC meter | 100% | MAIN | R44 |
| | 2 | <ul style="list-style-type: none">• Mode : CW• [RF PWR] control : Max. CW• Connect the key to the [KEY] jack and key down.• Transmitting | | | 100% | | R104 |
| 430 MHz LOW OUTPUT POWER | 1 | <ul style="list-style-type: none">• Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS)• Mode : FM• [RF PWR] control : Max. CCW• Transmitting | Rear panel | Connect the RF power meter to the [430 MHz ANT] connector. | 3.5 W (IC-970A/E) 6.0 W (IC-970H) | MAIN | R120 |
| | 2 | After adjustment, check the HIGH OUTPUT POWER level. | | | | | |

TRANSMITTER ADJUSTMENT (CONTINUED)

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|--------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------|----------------------------------------------|------------------|--------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| 144 MHz LOW OUTPUT POWER | 1 | <ul style="list-style-type: none">• Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS)• Mode : FM• [RF PWR] control : Max. CCW• Transmitting | Rear panel | Connect the RF power meter to the [ANT 144 MHz] connector. | 2.0~3.0 W (IC-970A/E) 4.0~5.0 W (IC-970H) | | Verify |

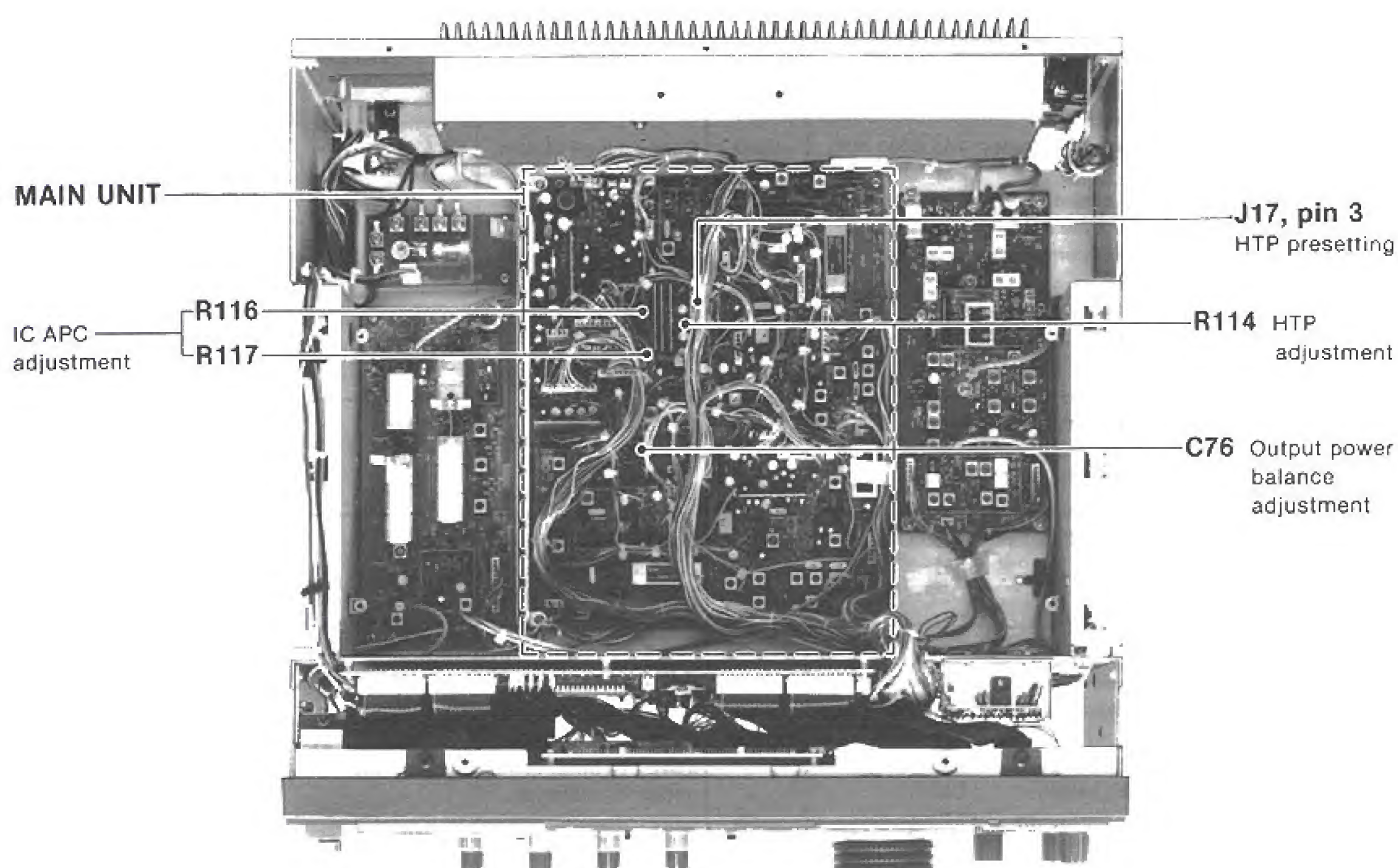
MAIN UNIT



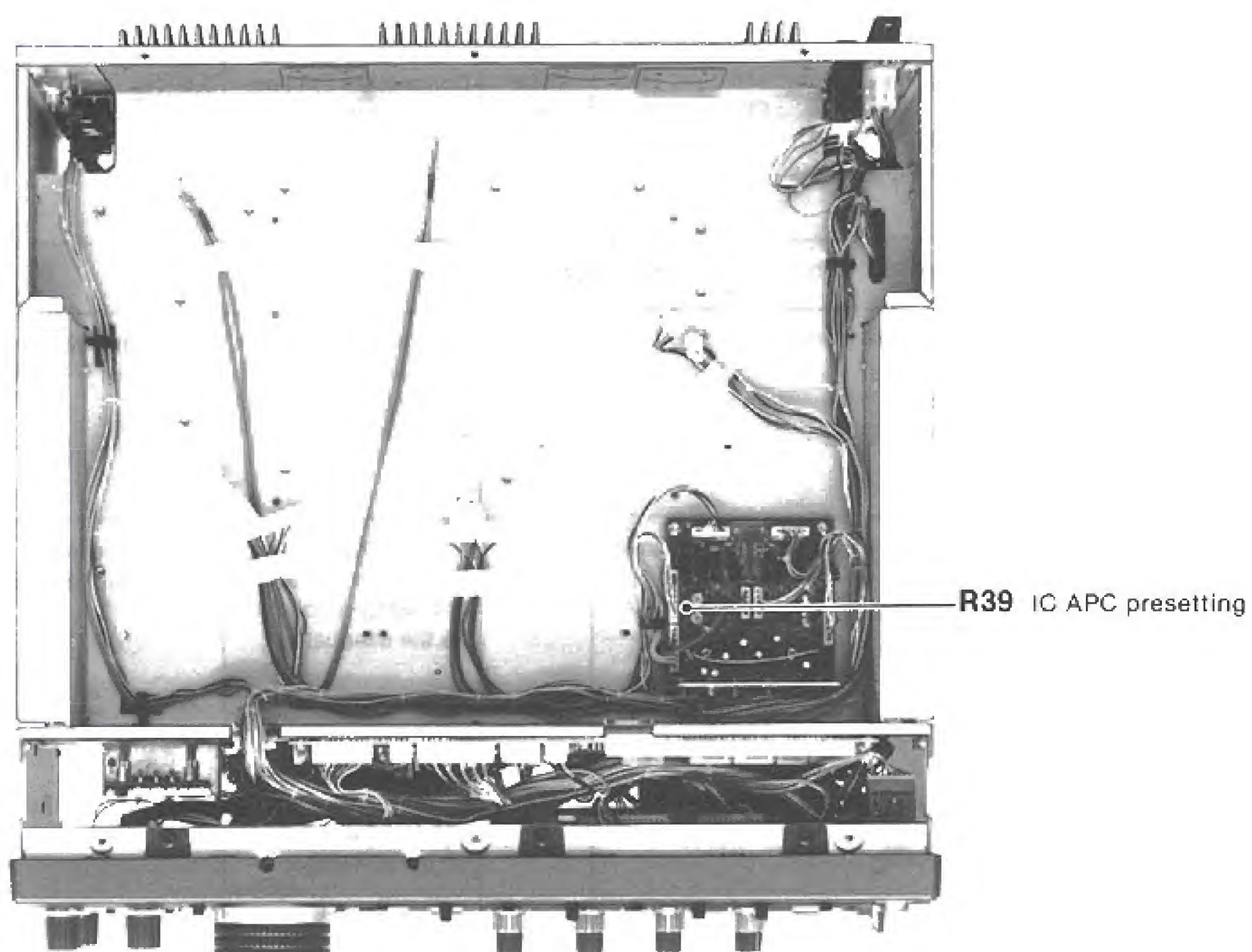
TRANSMITTER ADJUSTMENT (CONTINUED)

| ADJUSTMENT | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------|-------------------------------------------------------------|------------------|--------|
| | | UNIT | LOCATION | | UNIT | ADJUST |
| IC APC (FOR IC-970A/E) | 1 <ul style="list-style-type: none"> • Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) • Mode : USB • [MIC] control : Max. CW • [RF PWR] control : Max. CW • [S-RF/C-ALC] switch: IN • Connect the RF power meter to the [ANT 144 MHz] connector. • Decrease the power supply voltage to 11.7 V DC. • Ground the lead of R39 on the CTRL unit with the wire. • Connect the AG to the [MICROPHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz • Transmitting | Front panel | ALC meter | The point at which the ALC indicator needle begins to move. | MAIN | R117 |
| | 2 <ul style="list-style-type: none"> • Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) • Connect the RF power meter to the [ANT 430 MHz] connector. • Transmitting | | | | | R116 |
| IC APC (FOR IC-970H) | 1 <ul style="list-style-type: none"> • Displayed frequency: 145.0000 MHz (EUR, SWE) 146.0000 MHz (USA, AUS) • Mode : USB • [MIC] control : Max. CW • [RF PWR] control : Max. CW • [S-RF/C-ALC] switch: IN • Connect the RF power meter to the [ANT 144 MHz] connector. • Ground the lead of R39 on the CTRL unit with the wire. • Connect the AG to the [MICROPHONE] connector and set as: Level : 20 mV Modulation : 1.5 kHz • Transmitting | Rear panel | Connect the ammeter between the DC power supply and IC-970H. | 12 A | MAIN | R117 |
| | 2 <ul style="list-style-type: none"> • Displayed frequency: 435.0000 MHz (EUR, SWE) 440.0000 MHz (USA, AUS) • Connect the RF power meter to the [ANT 430 MHz] connector. • Transmitting | | | 16 A | | R116 |
| HTP | <ul style="list-style-type: none"> • Displayed frequency: 145.0000 MHz • Mode : FM • [RF PWR] control : Max. CW • Add 8~13.8 V to J17, pin 3 on the main unit through the 4.7 kΩ resistor. | Rear panel | Connect the RF power meter to the [ANT 144 MHz] connector. | 12.5 W (IC-970A/E) 22.5 W (IC-970H) | MAIN | R114 |
| OUTPUT POWER BALANCE | <ul style="list-style-type: none"> • Displayed frequency: 145.0000 MHz • Mode : USB and LSB • Connect the AG to the [MICROPHONE] connector and set as: Level : 2 mV Modulation : 300 Hz • Transmitting | Rear panel | Connect the RF power meter to the [ANT 144 MHz] connector. | LSB power must equal USB power. | MAIN | C76 |

MAIN UNIT



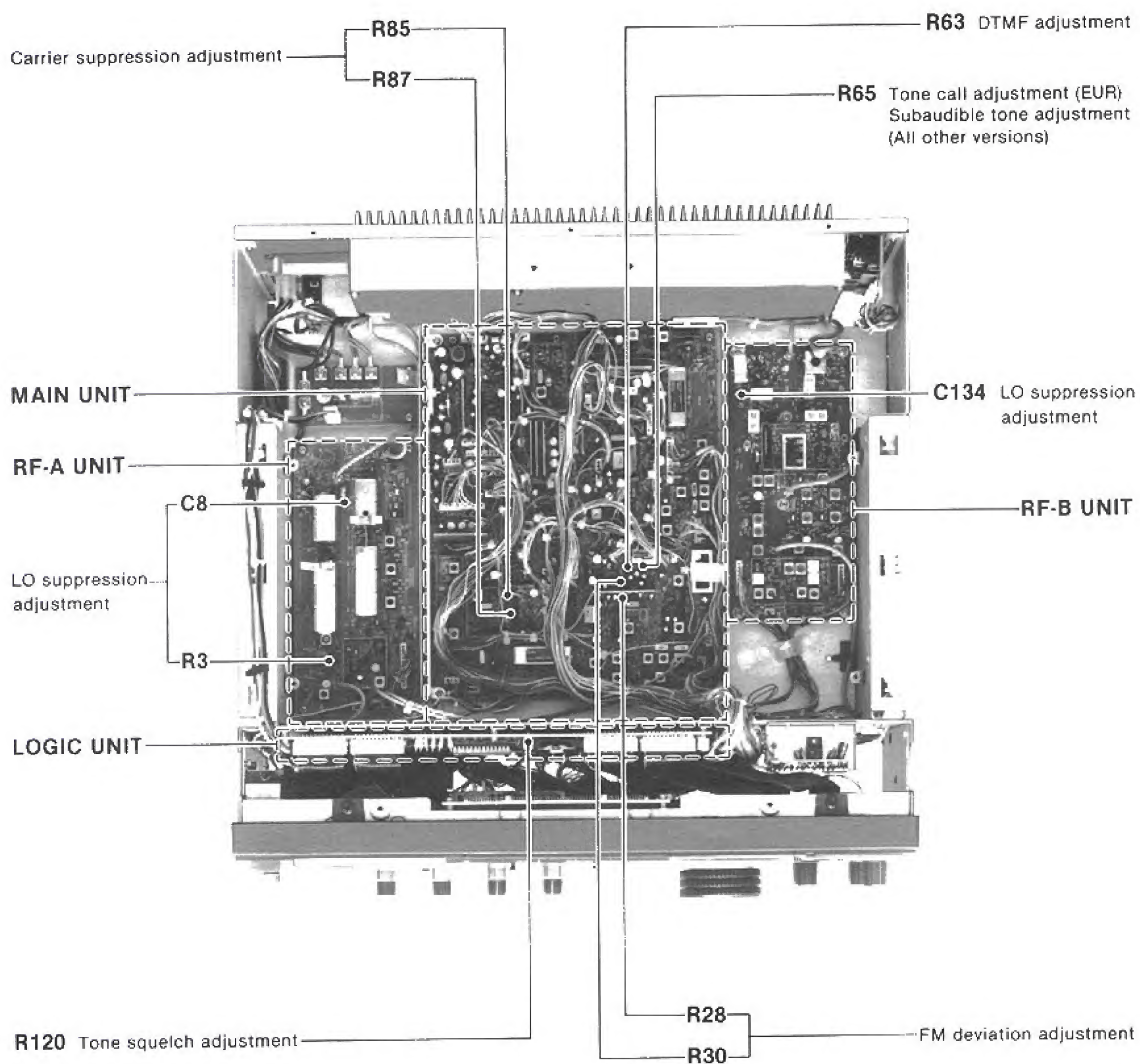
CTRL UNIT



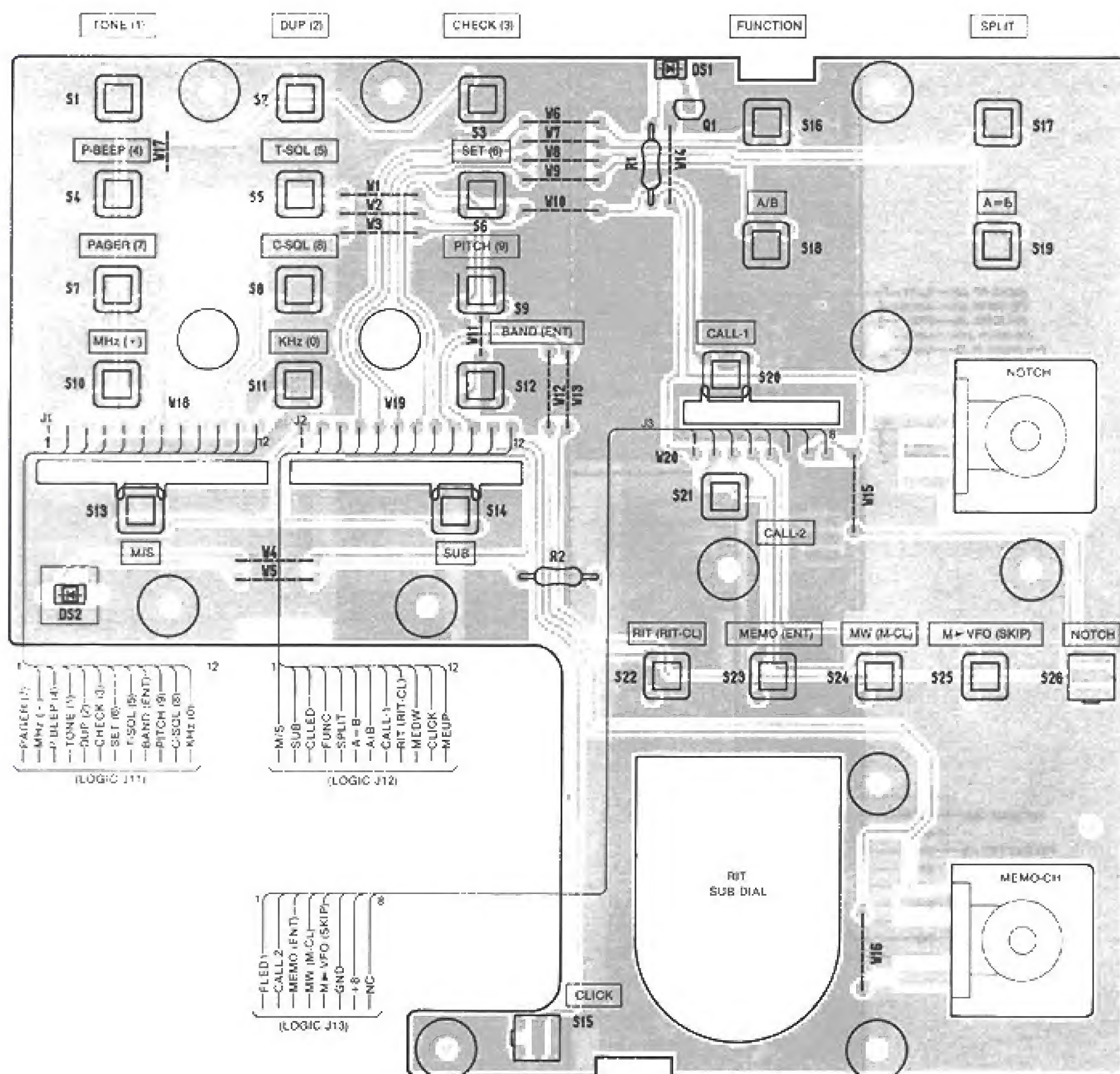
TRANSMITTER ADJUSTMENT (CONTINUED)

| ADJUSTMENT | | ADJUSTMENT CONDITIONS | MEASUREMENT | | VALUE | ADJUSTMENT POINT | |
|-----------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|----------------------------------------------|------------------|-----------------------------|
| | | | UNIT | LOCATION | | UNIT | ADJUST |
| FM DEVIATION | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM [MIC] control : Center Connect the AG to the [MICROPHONE] connector and set as: Level : 20 mV Modulation : 1 kHz Transmitting | Rear panel | Connect the FM deviation meter to the [ANT 144 MHz] connector via the attenuator. | 4.8 kHz | MAIN | R28 |
| | 2 | <ul style="list-style-type: none"> MIC connector input: Level : 2 mV Modulation : 1 kHz | | | 3.5 kHz | | R30 |
| TONE CALL (EUR only) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM MIC input : OFF [TONE] switch : ON | Rear panel | Connect the FM deviation meter to the [ANT 144 MHz] connector via the attenuator. | 3.5 kHz | MAIN | R65 |
| SUBAUDIBLE TONE (All other versions) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM MIC input : OFF [TONE] switch : ON TONE frequency : 67 Hz Transmitting | Rear panel | Connect the FM deviation meter to the [ANT 144 MHz] connector via the attenuator. | 0.5 kHz | MAIN | R65 |
| TONE SQUELCH (UT-34 must be installed.) | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM TONE SQUELCH : ON [TONE] frequency : 67 Hz Transmitting | Rear panel | Connect the FM deviation meter to the [ANT 144 MHz] connector via the attenuator. | 0.5 kHz | LOGIC | R120 |
| DTMF | 1 | Turn the IC-970A/E/H power OFF. Then, while pushing [3] and [7] on the keyboard, turn power ON. | | | | | |
| | 2 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : FM Push [7] (PAGER). Transmitting | Rear panel | Connect the FM deviation meter to the [ANT 144 MHz] connector via the attenuator. | 3.5 kHz | MAIN | R63 |
| | 3 | Turn power OFF. Then, turn power ON again. | | | | | |
| CARRIER SUPPRESSION | 1 | <ul style="list-style-type: none"> Displayed frequency: 145.0000 MHz Mode : USB and LSB MIC input : OFF Transmitting | Rear panel | Connect the spectrum analyzer to the [ANT 144 MHz] connector via the attenuator. | Minimum carrier level. (Less than -40 dB) | MAIN | Alternately adjust R85, R87 |
| LO SUPPRESSION | 1 | <ul style="list-style-type: none"> Displayed frequency: 144 MHz band Mode : FM Transmitting | Rear panel | Connect the spectrum analyzer to the [ANT 144 MHz] connector via the attenuator. | Minimum level (Less than -60 dB) | RF-A | Alternately adjust R3, C8 |
| | 2 | (USA, AUS versions only) <ul style="list-style-type: none"> Displayed frequency: 430 MHz band Mode : FM Transmitting | | Connect the spectrum analyzer to the [ANT 430 MHz] connector via the attenuator. | Minimum level (Less than -60 dB) | RF-B | C134 |

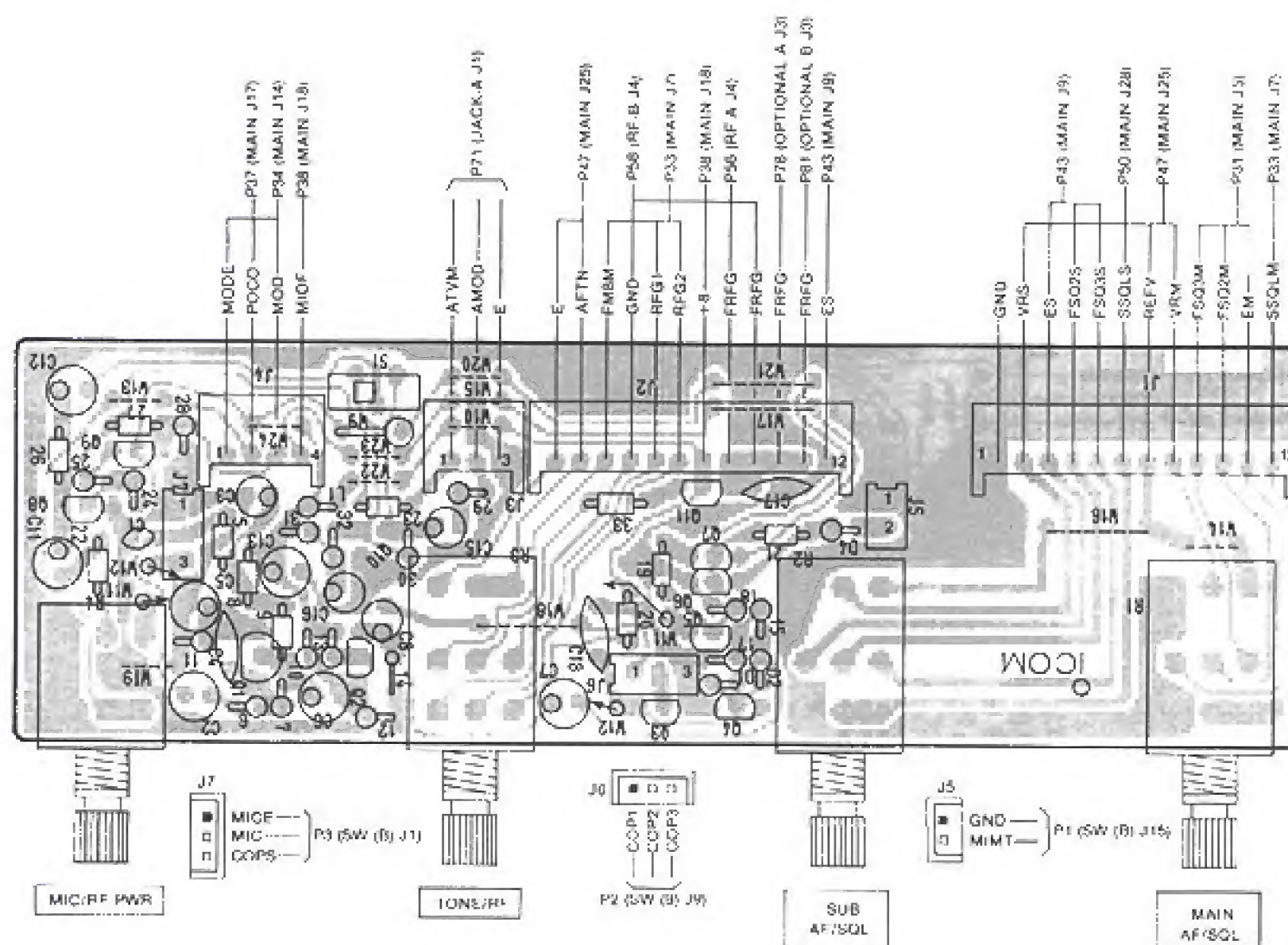
MAIN, RF-A, RF-B AND LOGIC UNITS

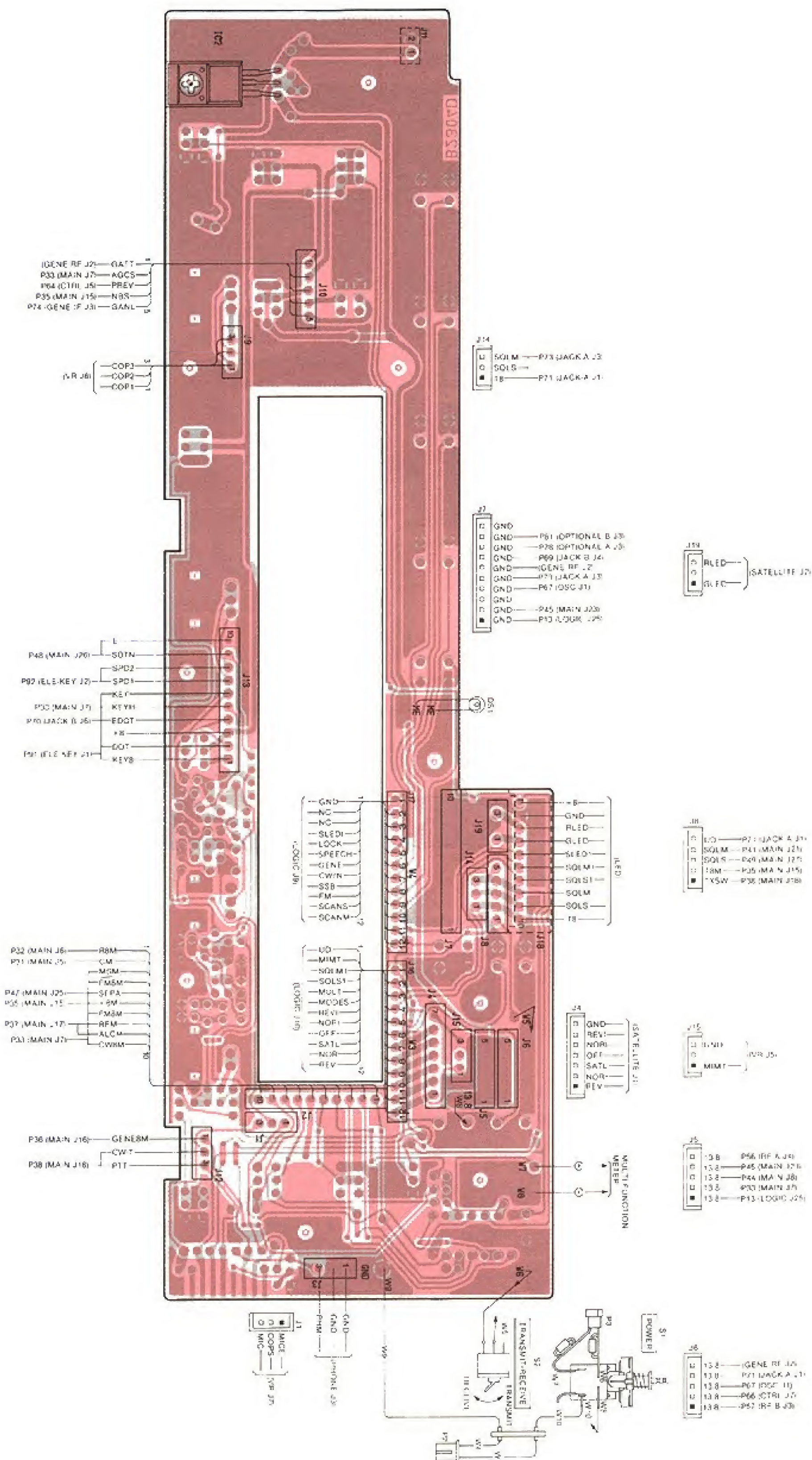


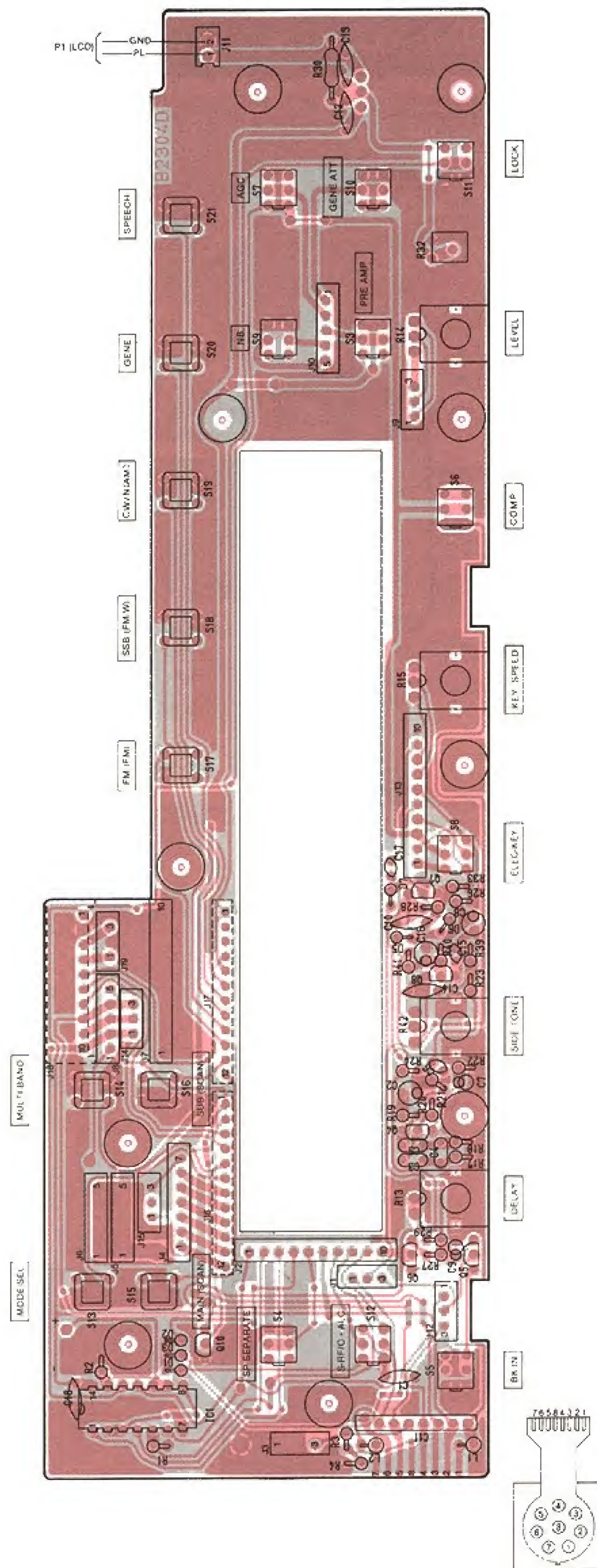
• SW (A) UNIT



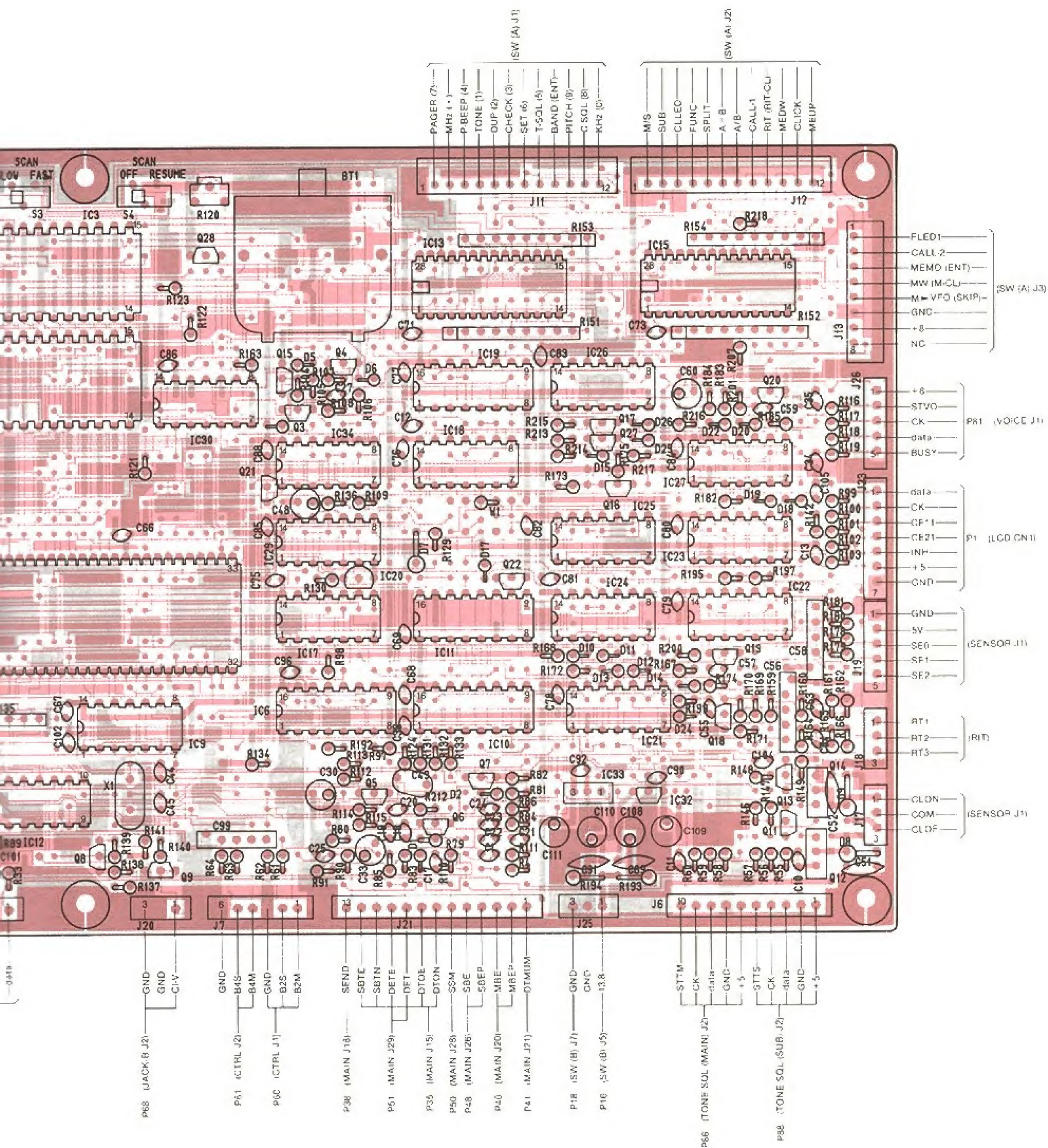
• VR UNIT



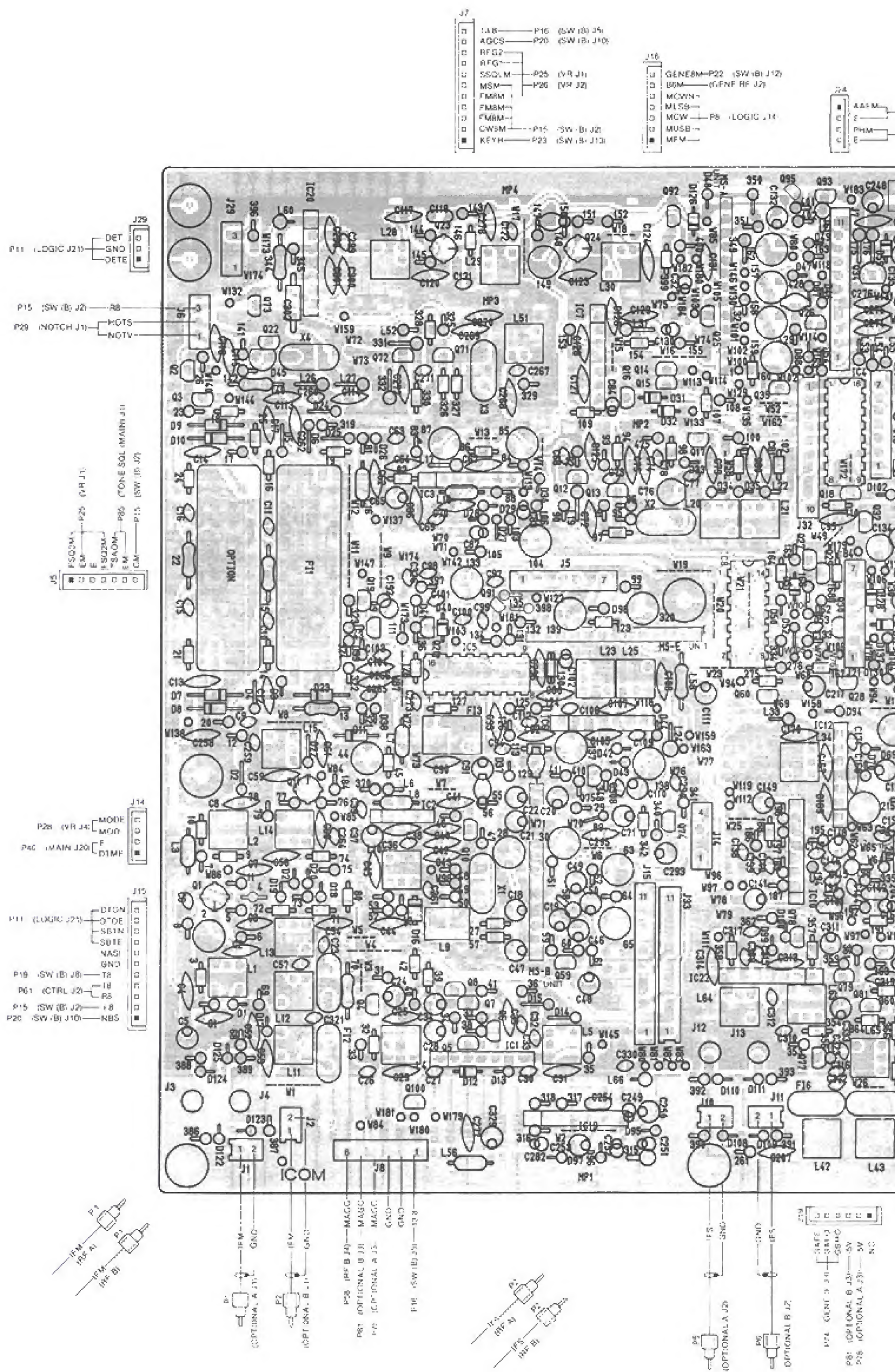


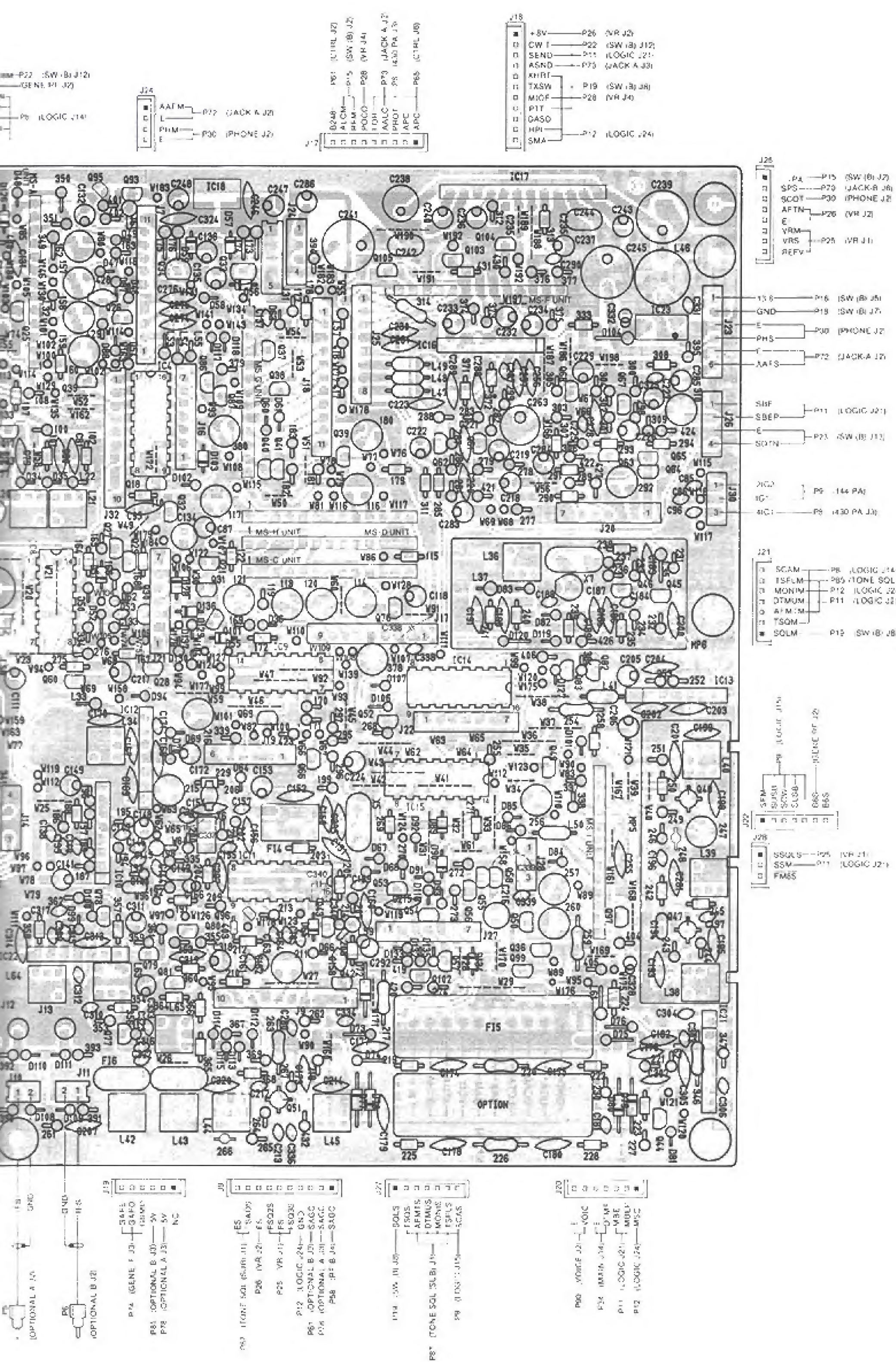


5-2 LOGIC UNIT



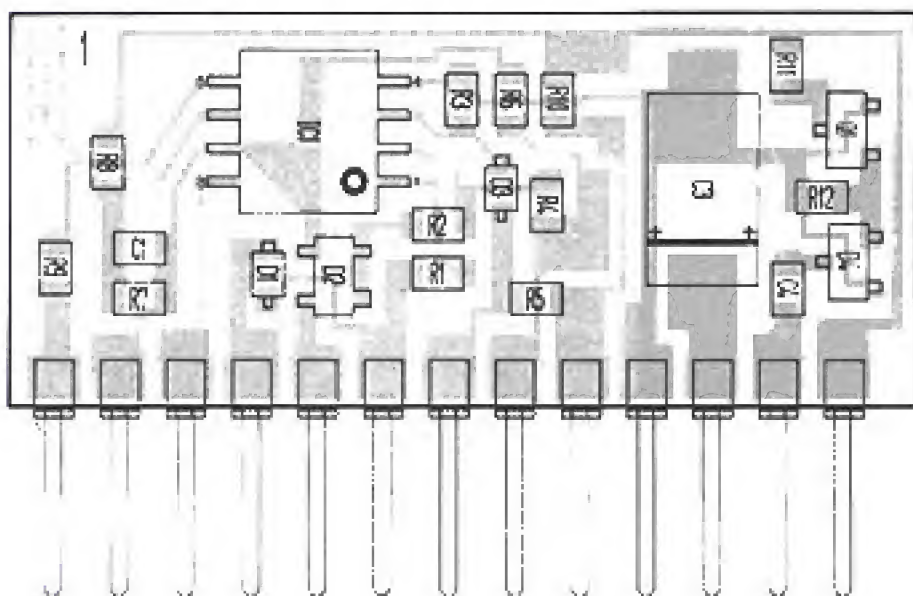
5-3 MAIN UNIT



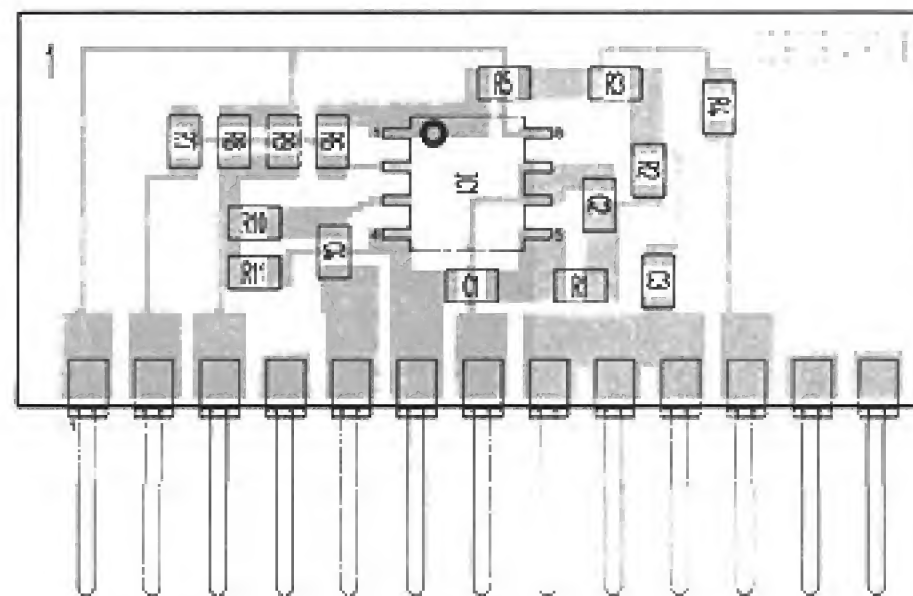


5-4 SUBORDINATE MAIN UNITS

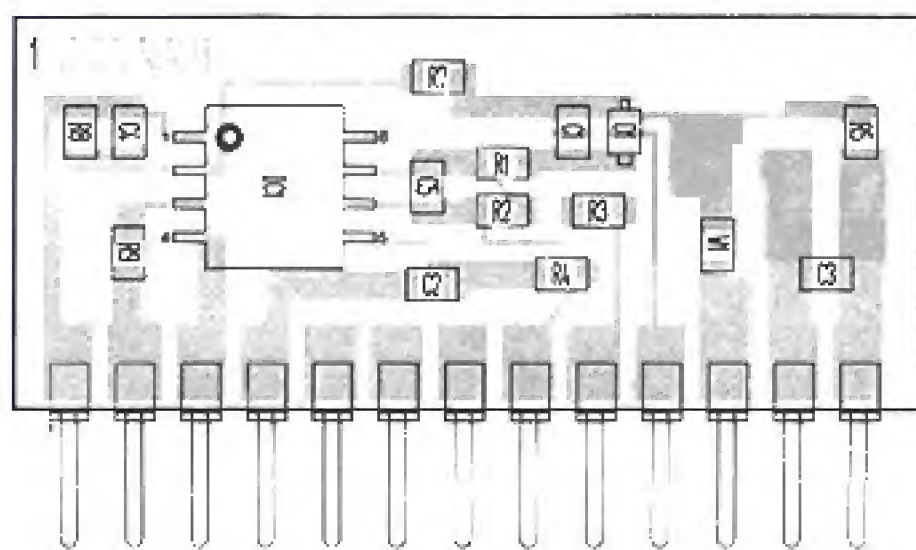
• MS-A AND MS-I UNITS



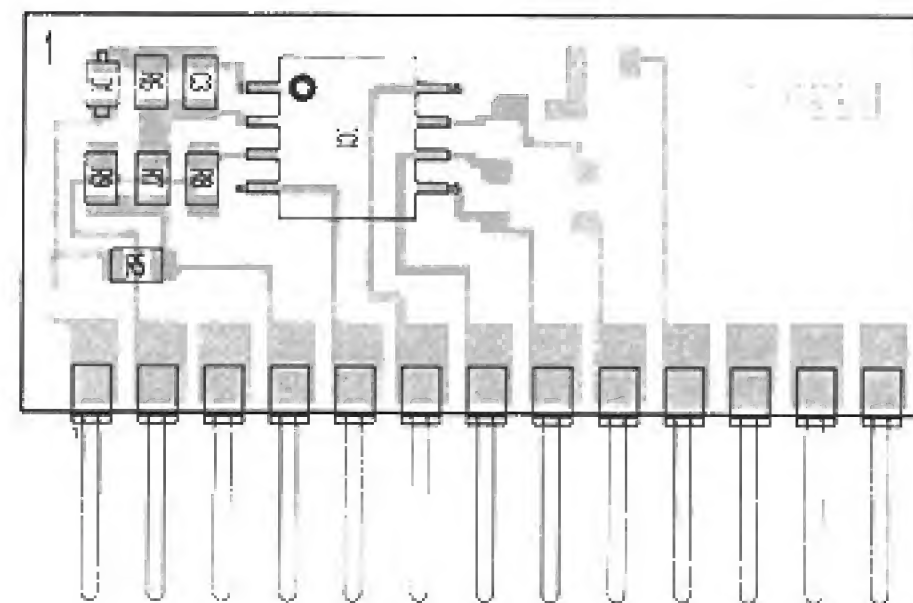
• MS-B UNIT



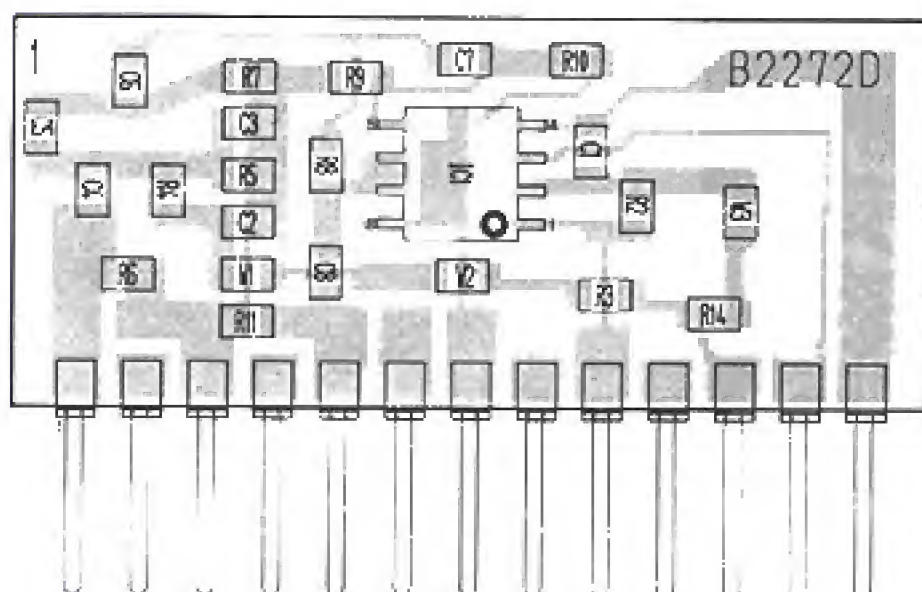
• MS-C UNIT



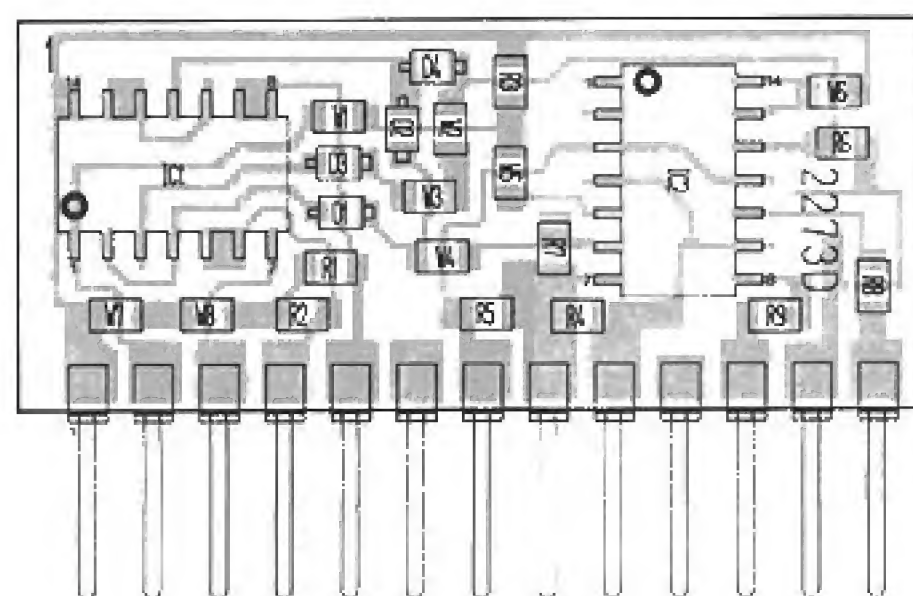
• MS-D UNIT



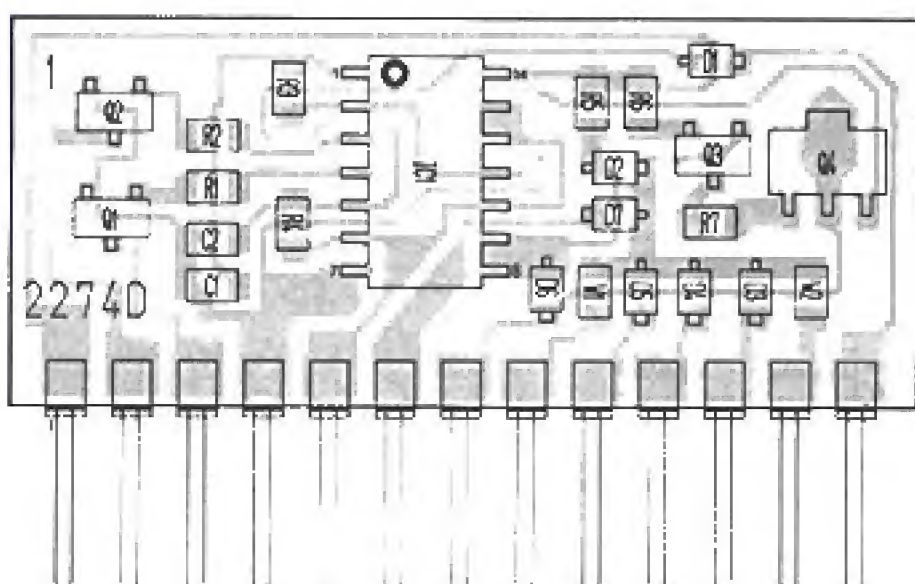
• MS-E UNIT



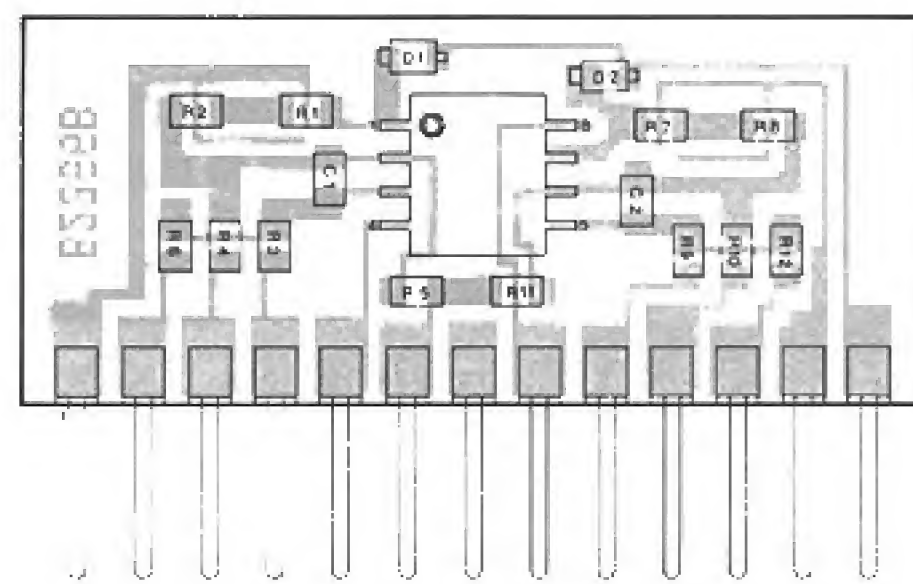
• MS-F UNIT



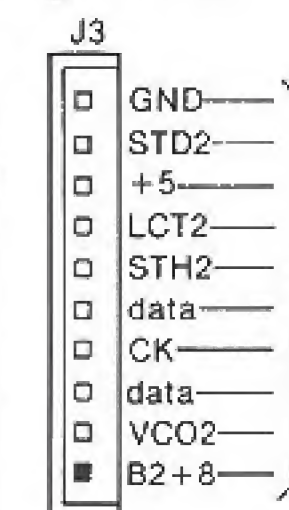
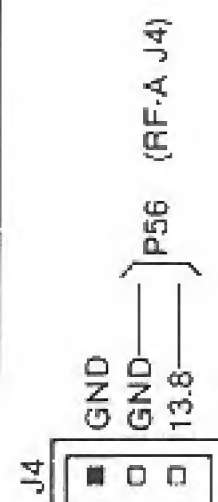
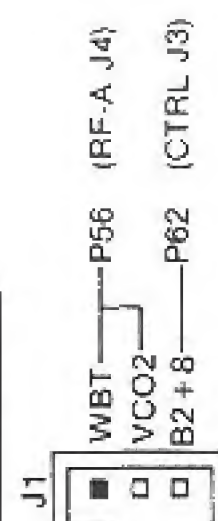
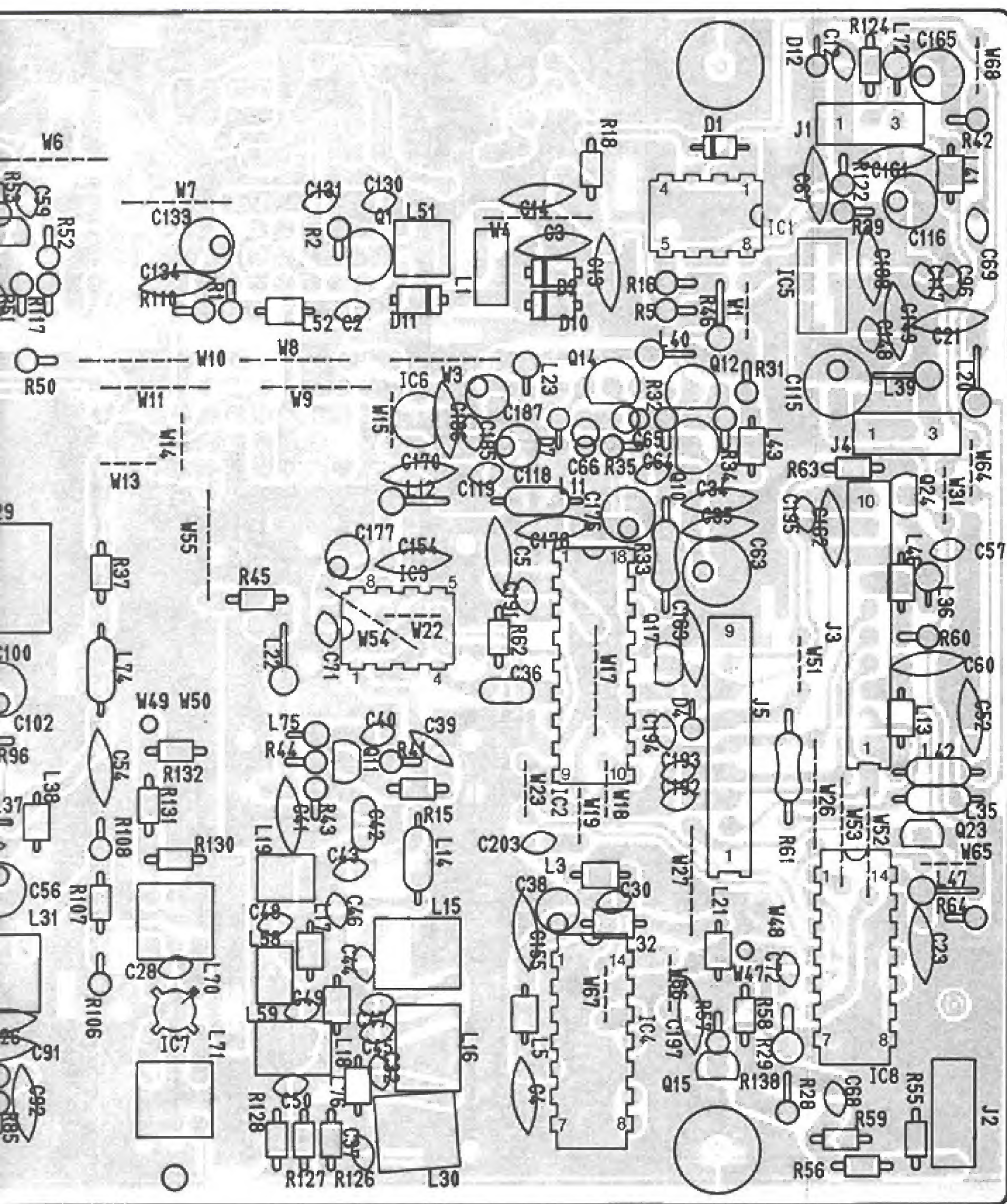
• MS-G UNIT



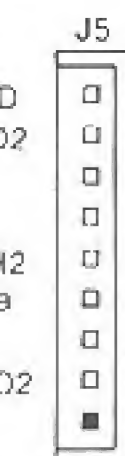
• MS-H UNIT



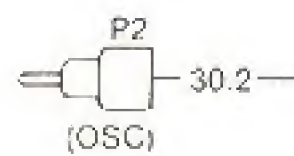
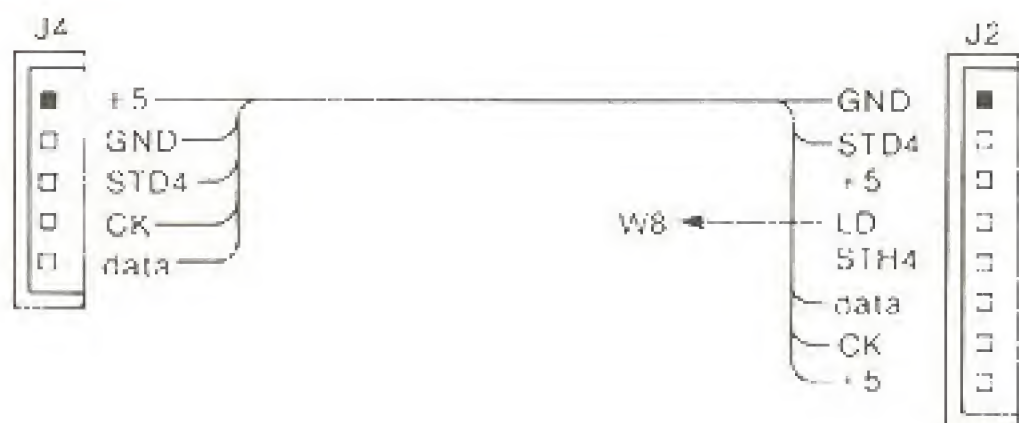
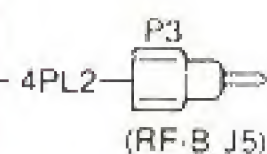
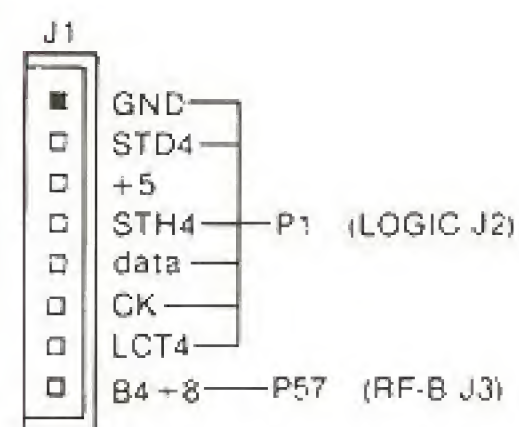
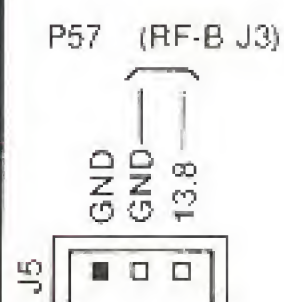
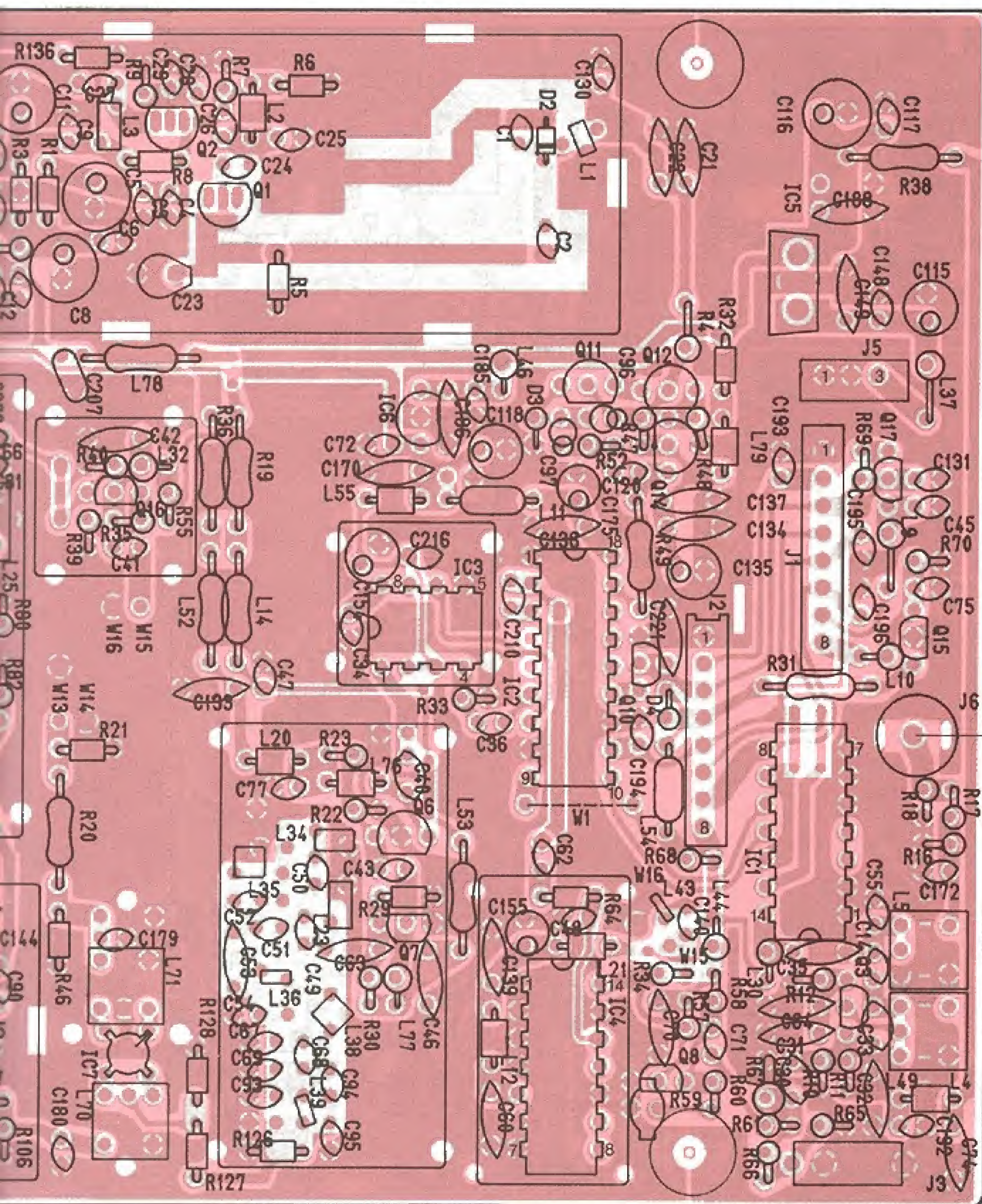


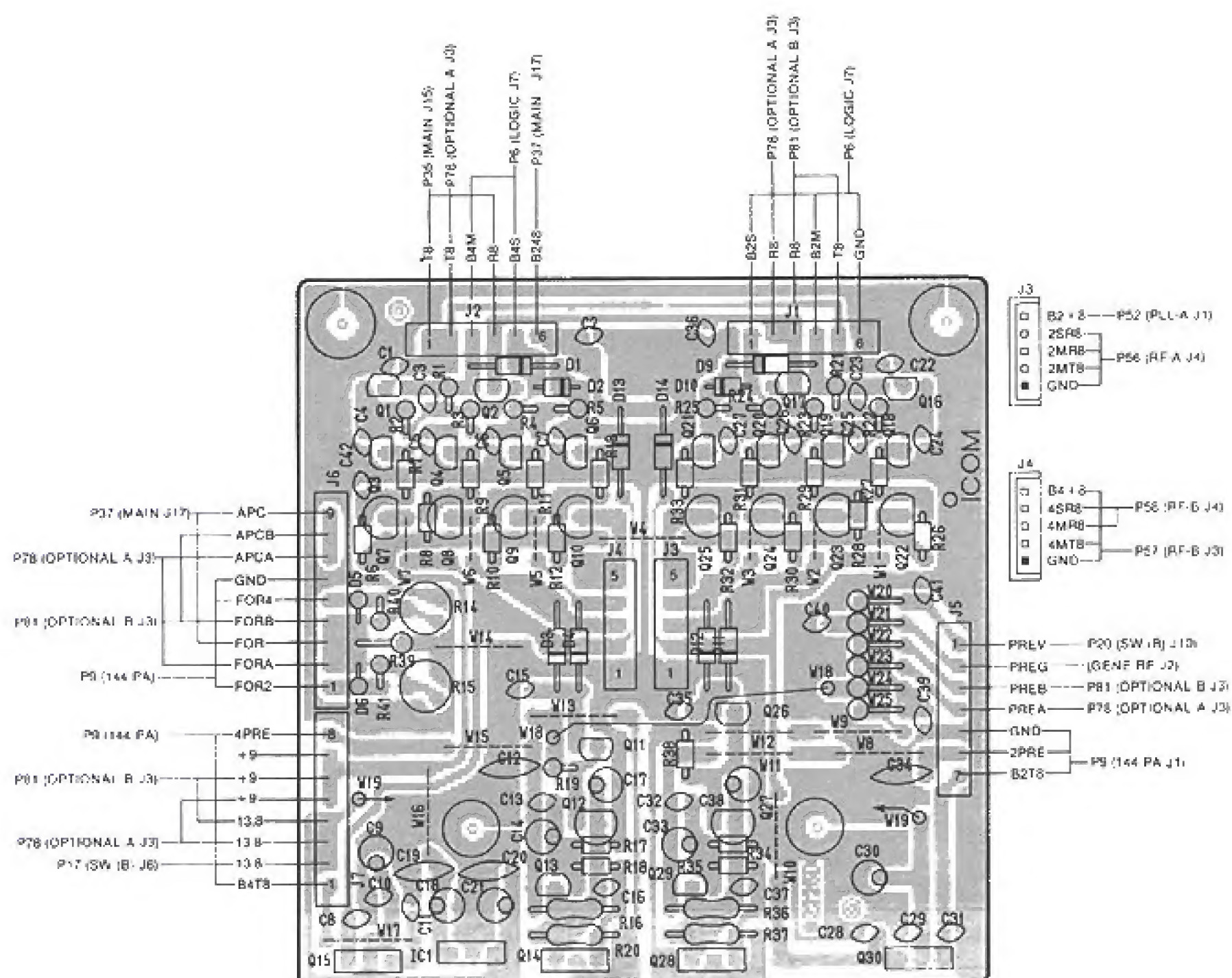


P2 (LOGIC J1)



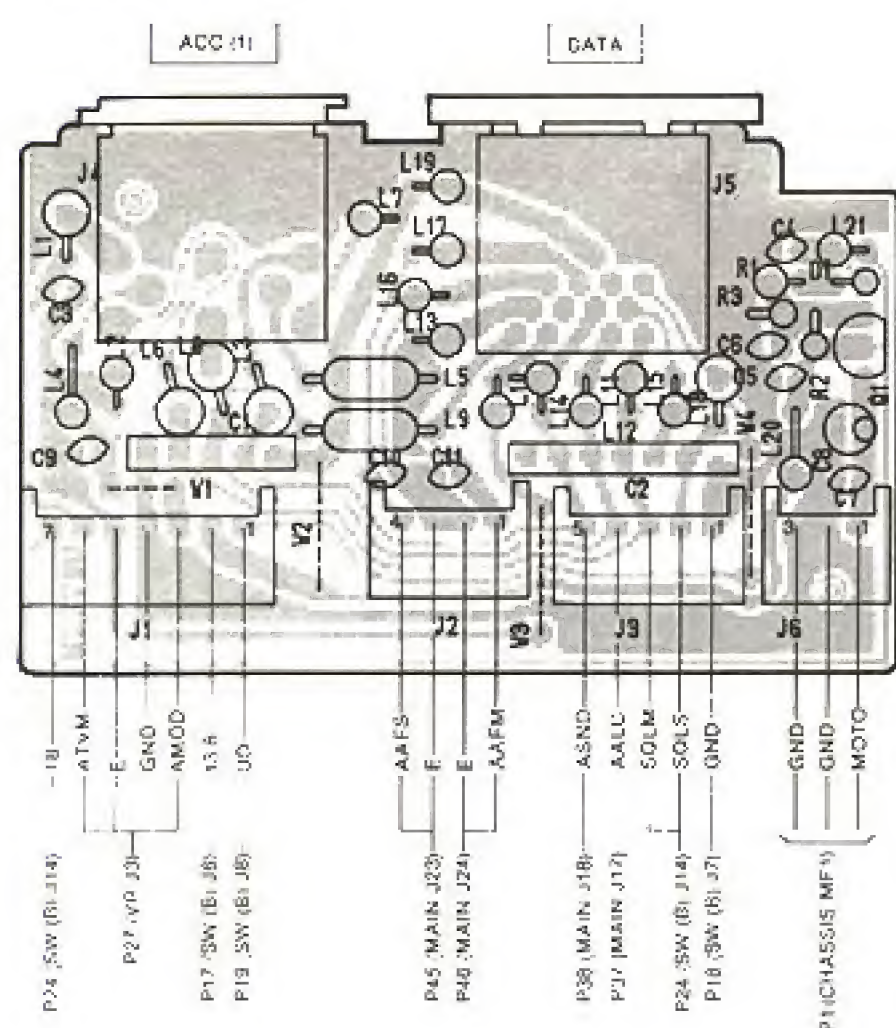




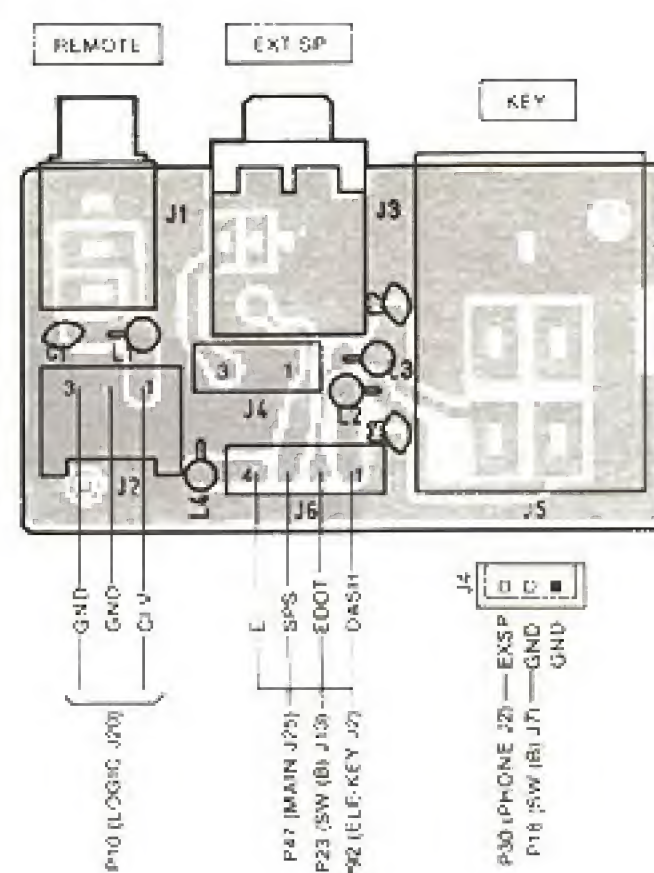


5-10 JACK A, JACK B, DRIVER AND CONNECT UNITS

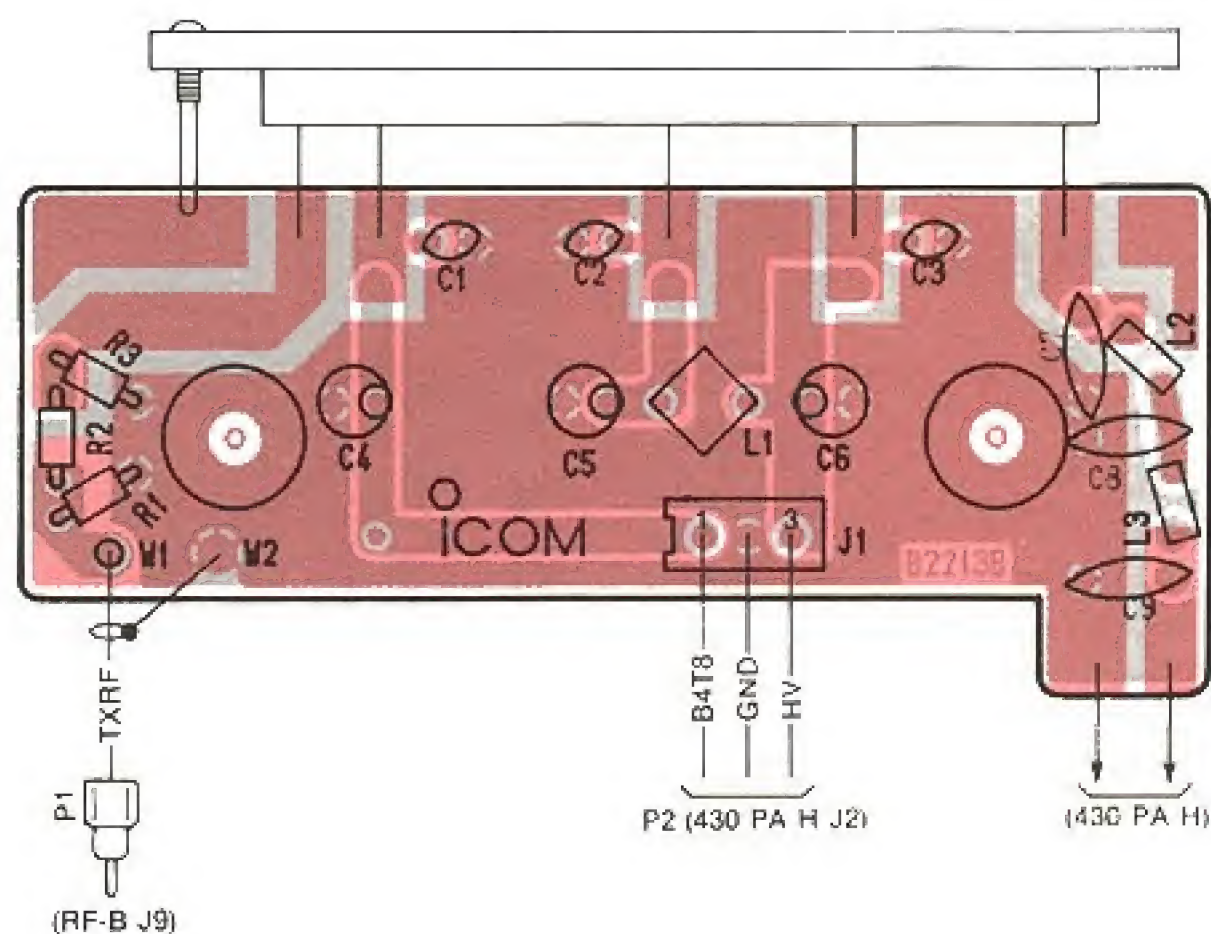
• JACK-A UNIT



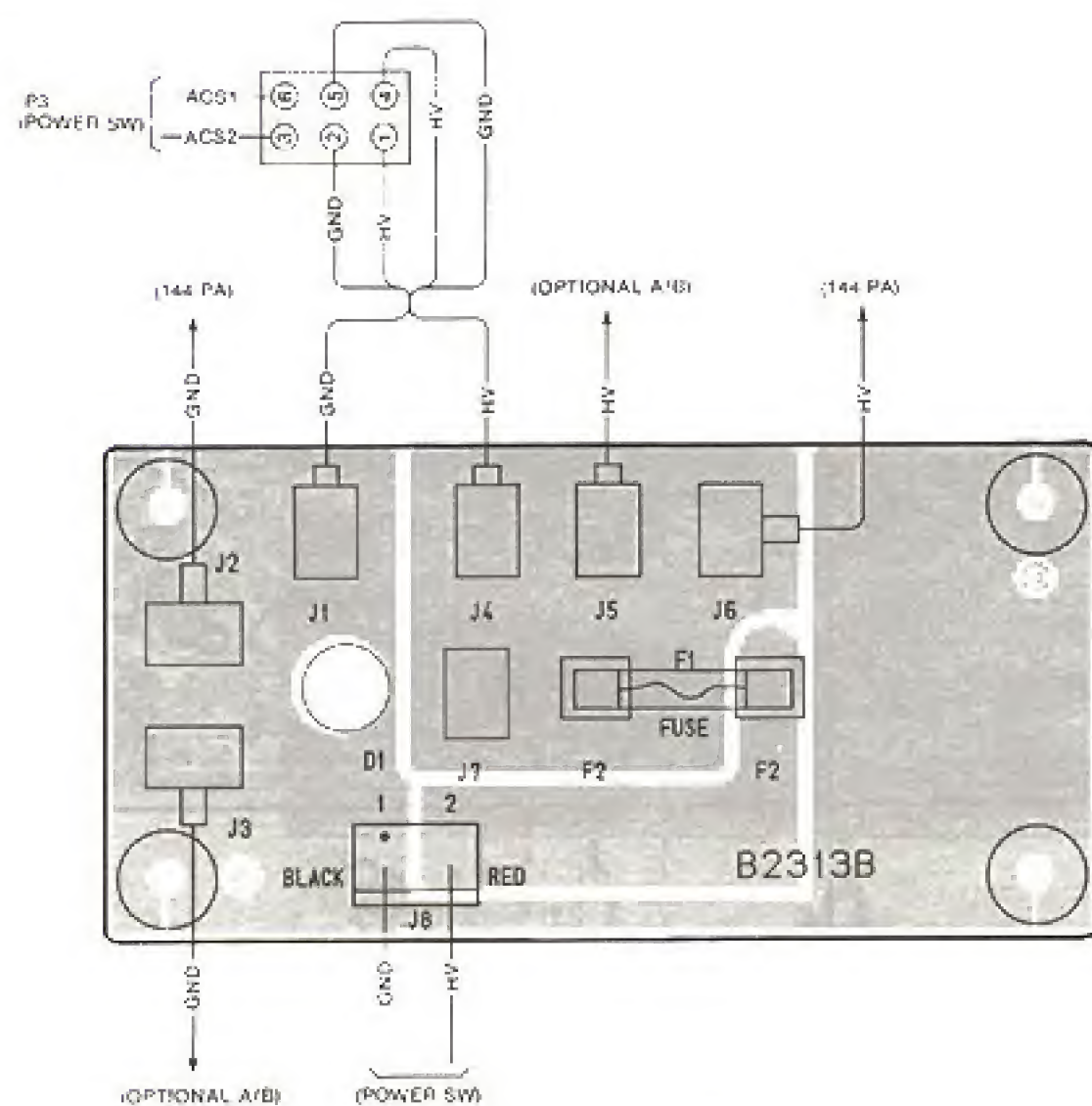
• JACK-B UNIT



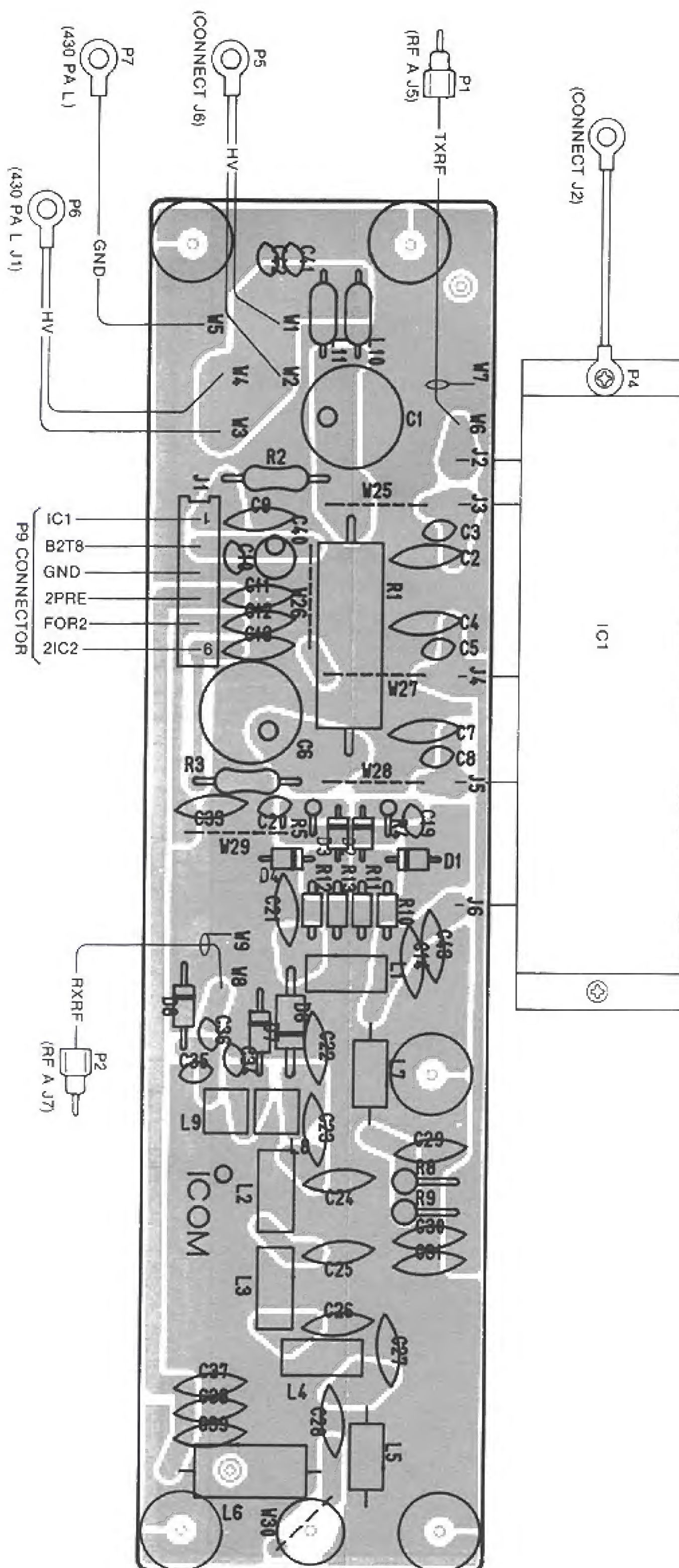
• DRIVER UNIT (IC-970H only)



• CONNECT UNIT

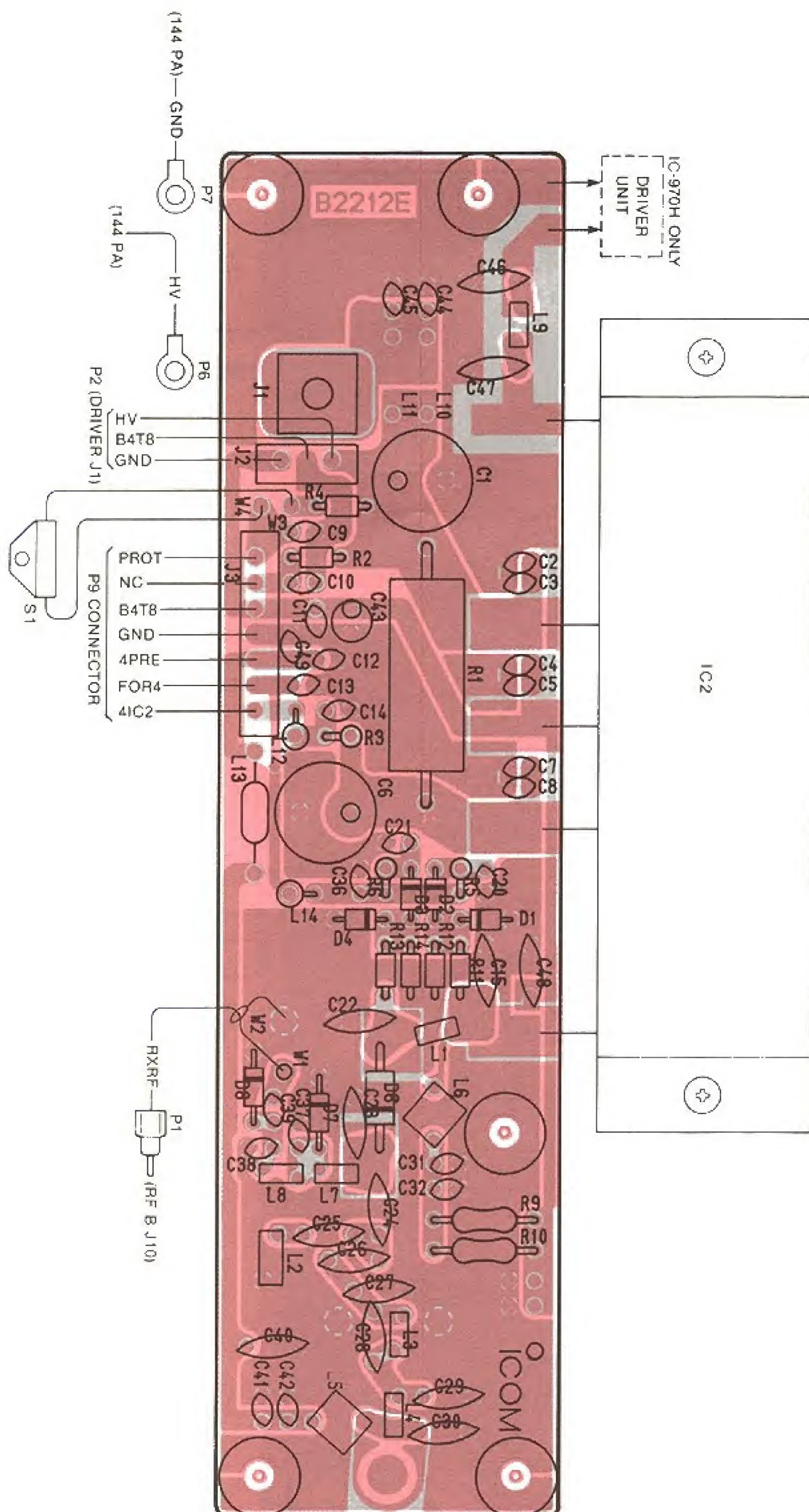


• 144 PA L UNIT (IC-970A/E)

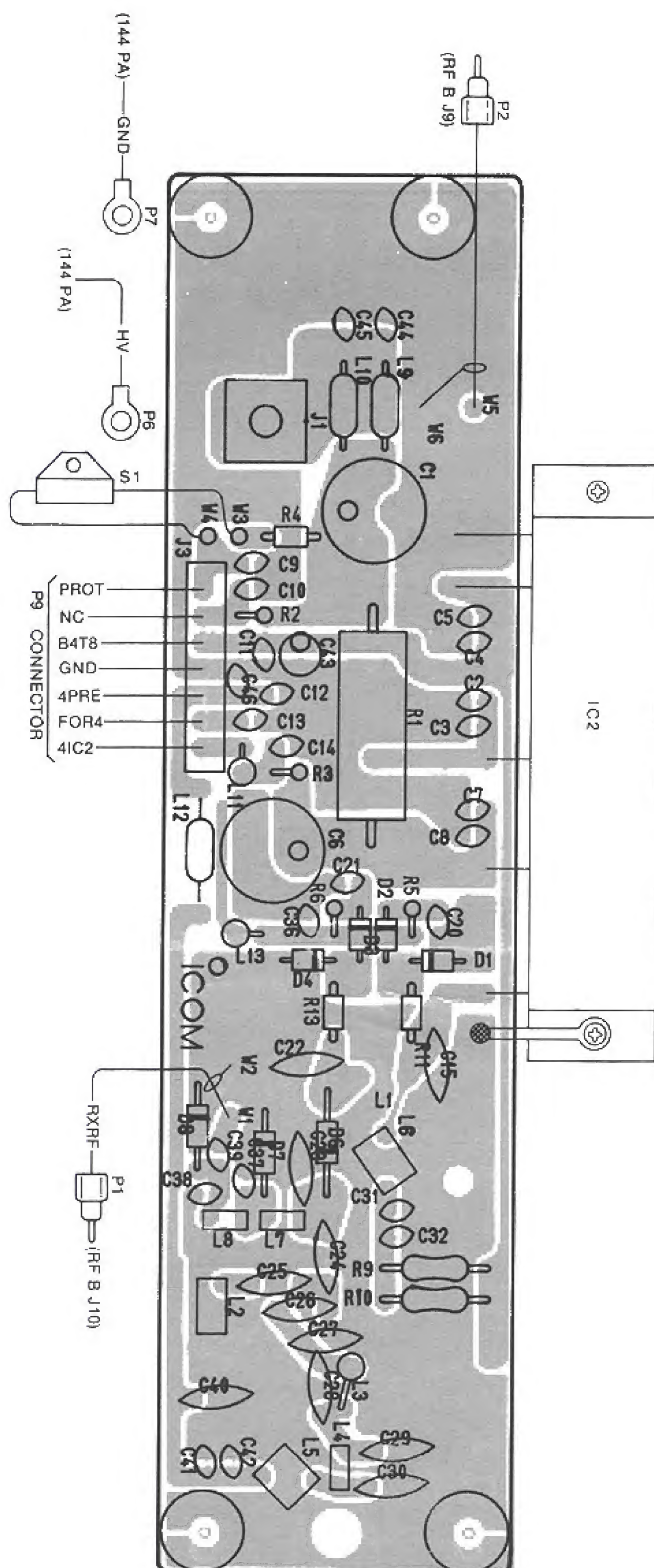


5-12 430 PA UNIT

- 430 PA H UNIT (IC-970H)

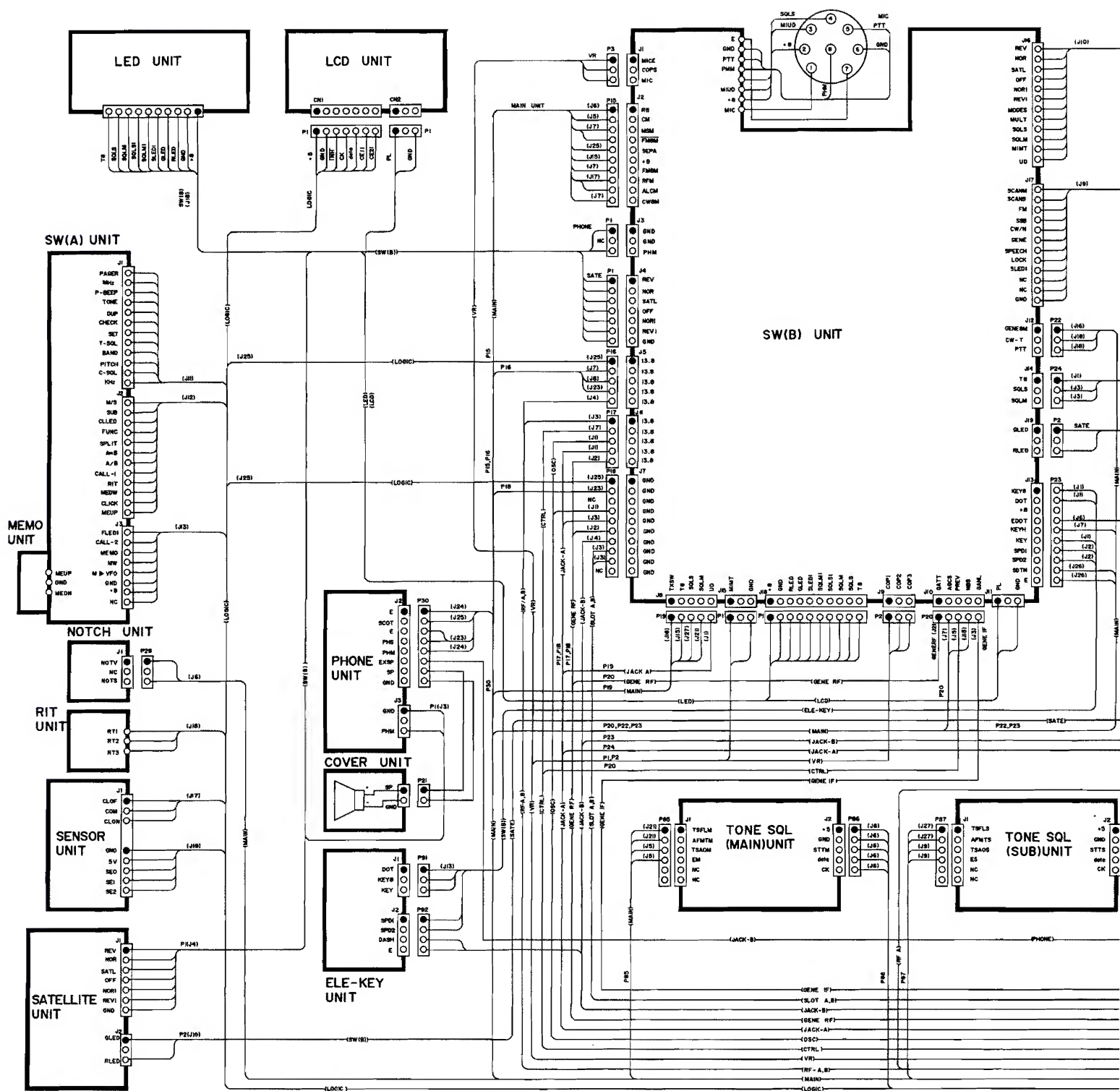


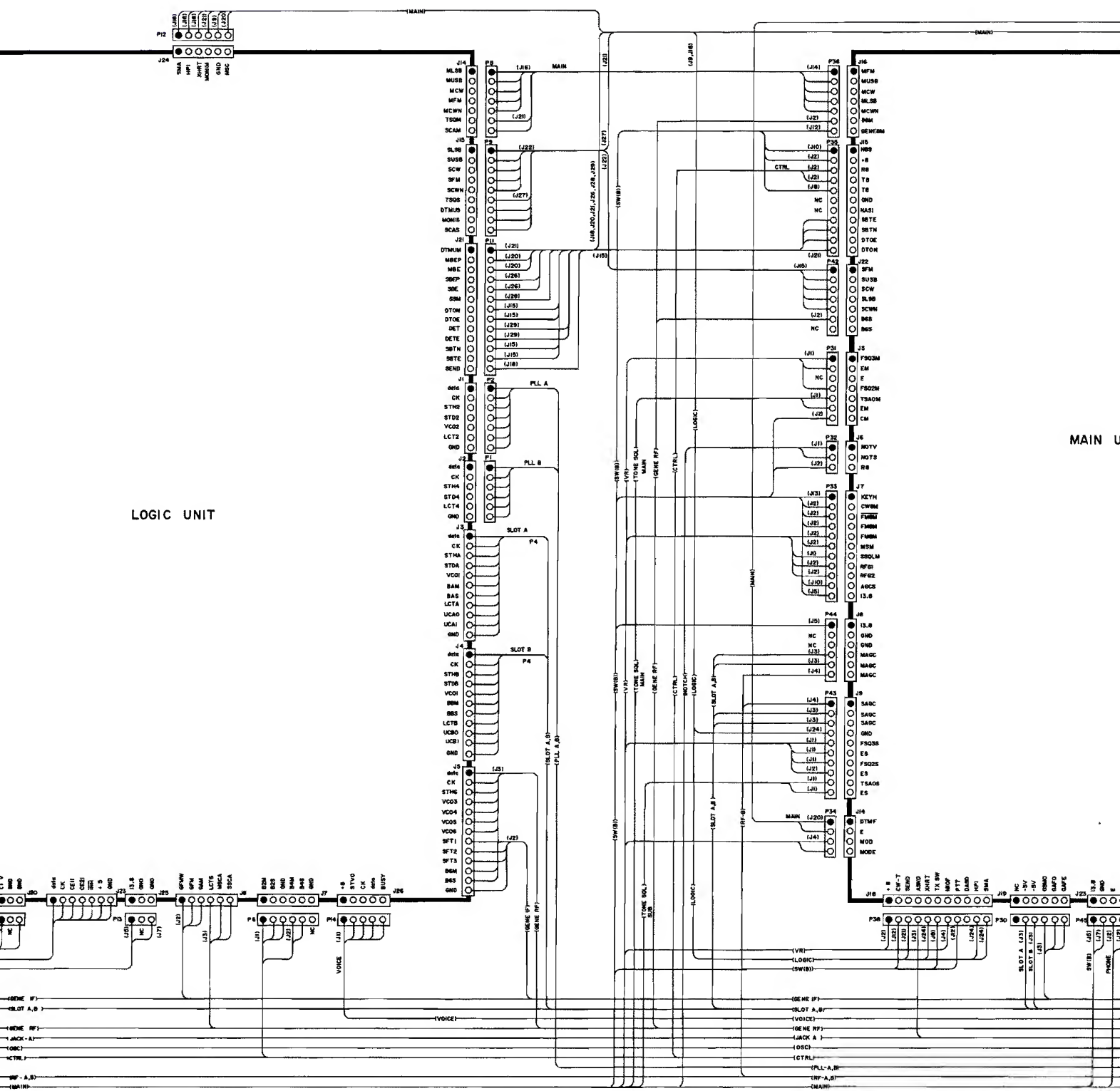
• 430 PA L UNIT (IC-970A/E)

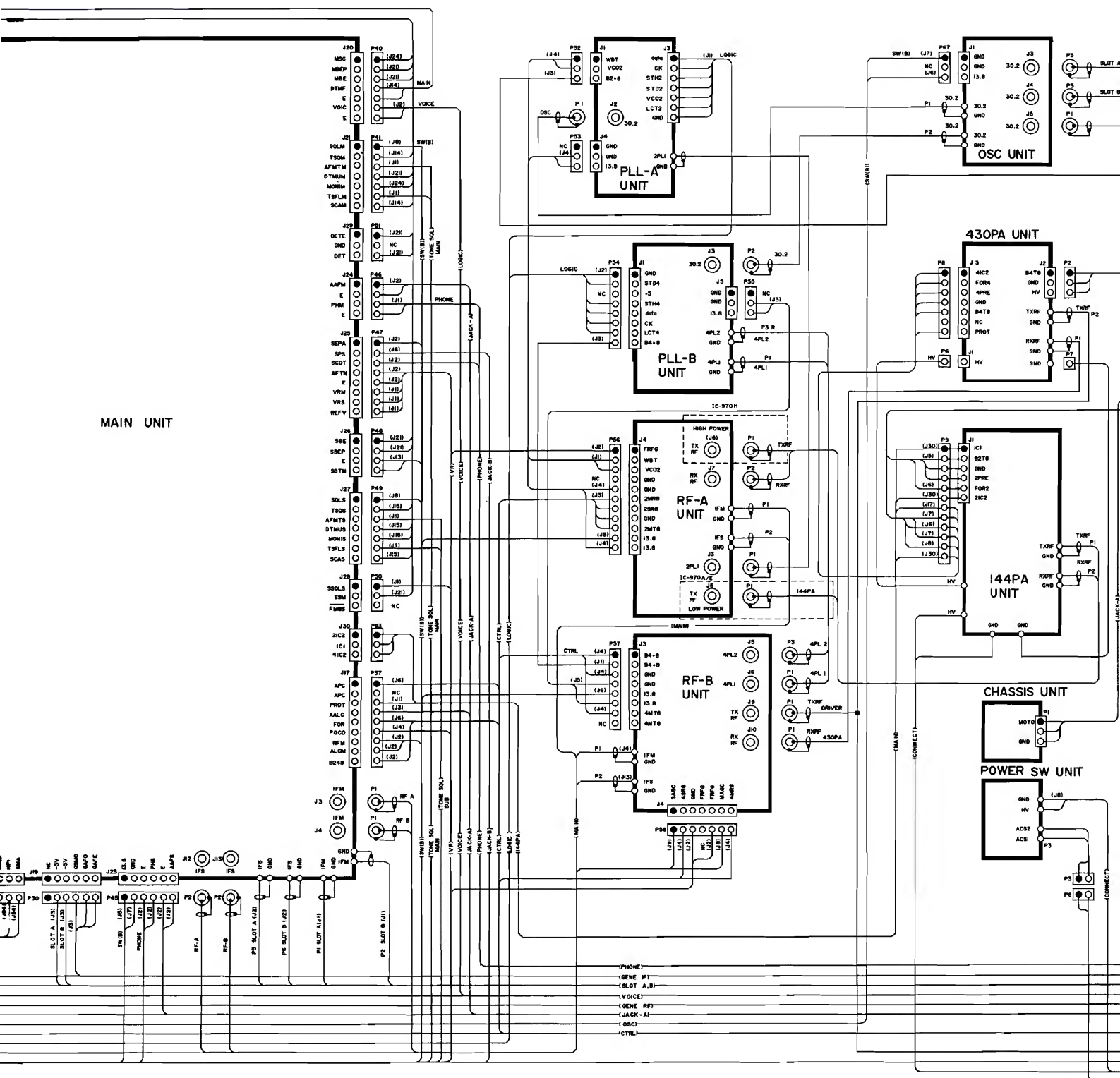


SECTION 6 VOLTAGE DIAGRAM

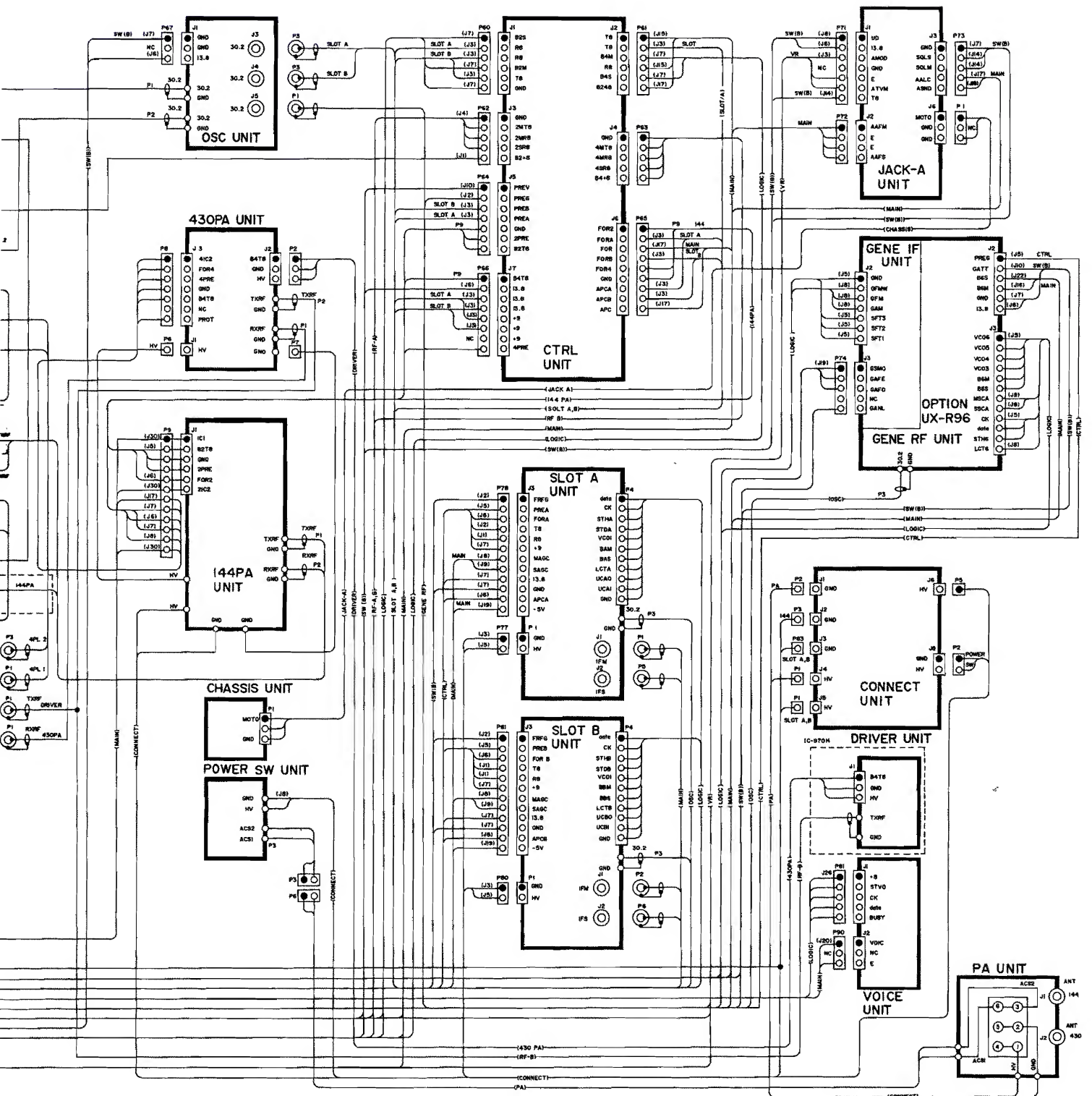
• CONNECTOR CIRCUIT



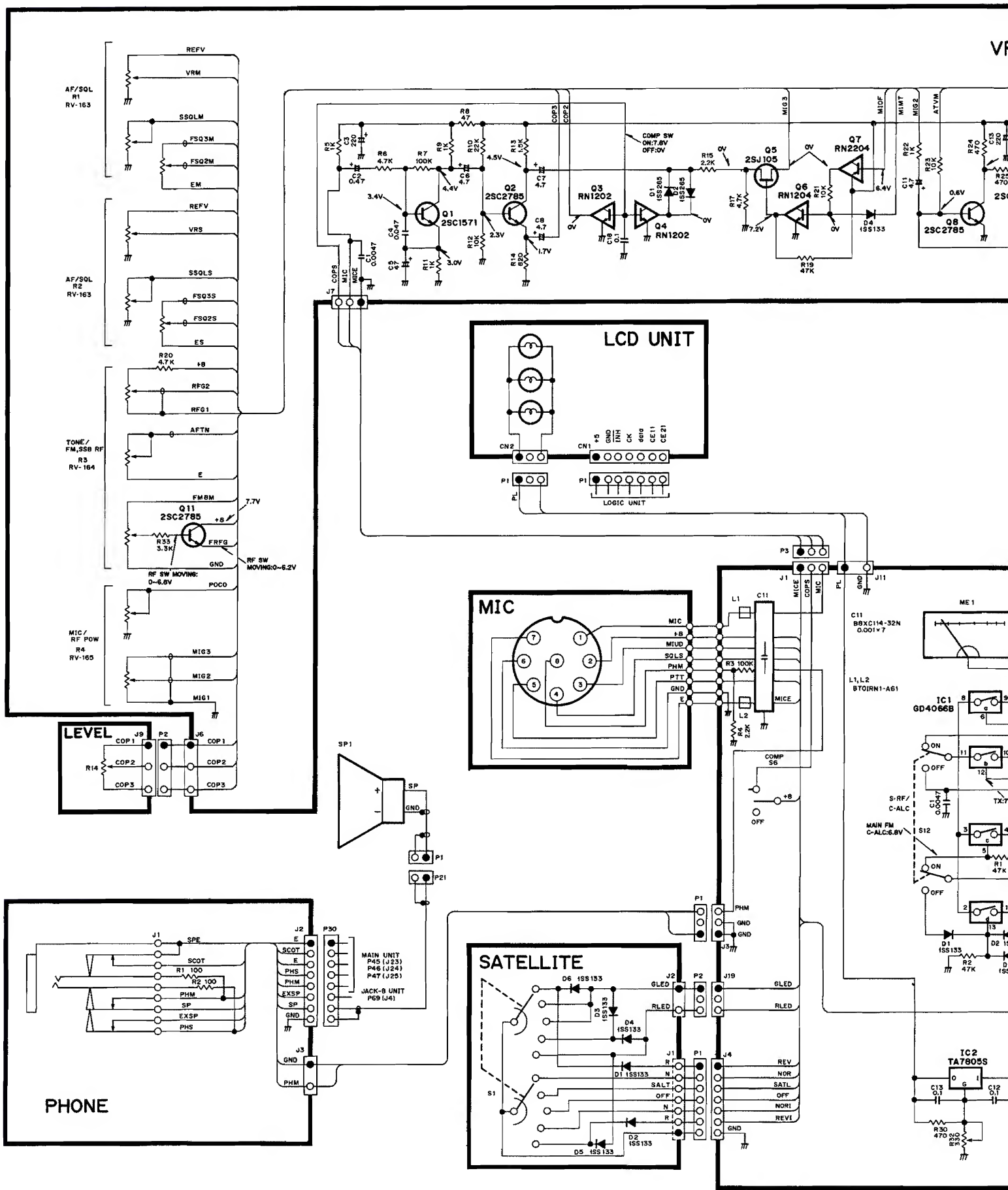




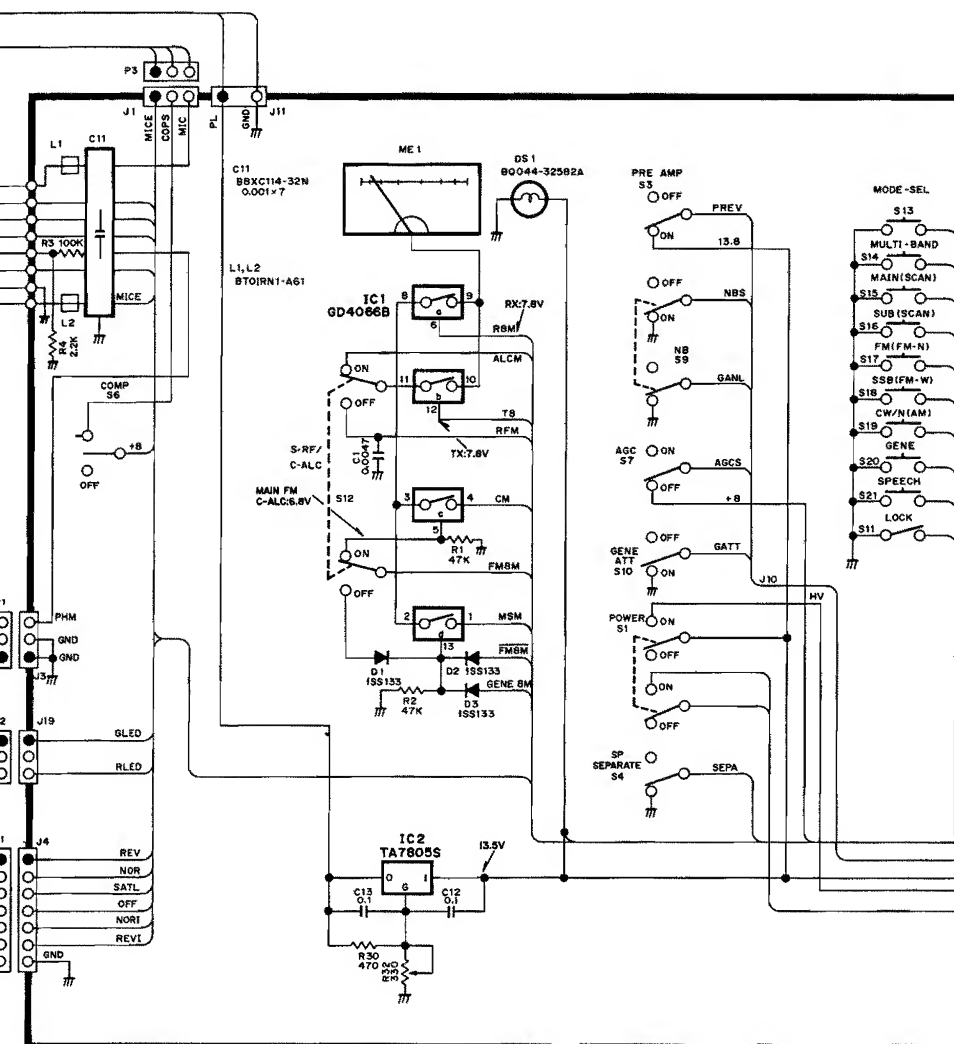
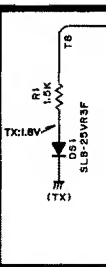
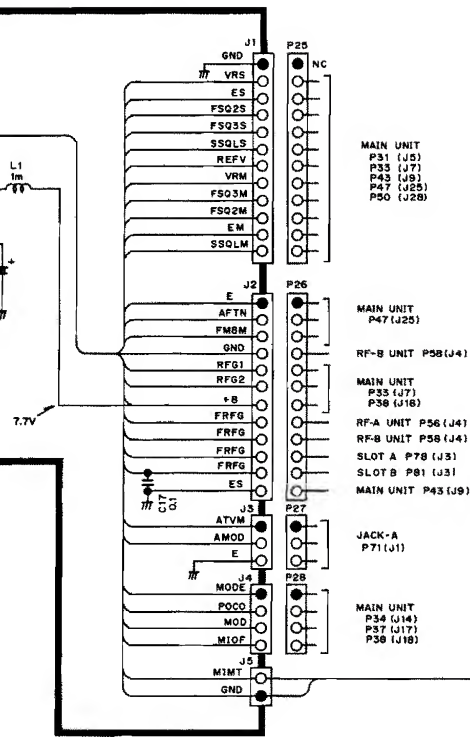
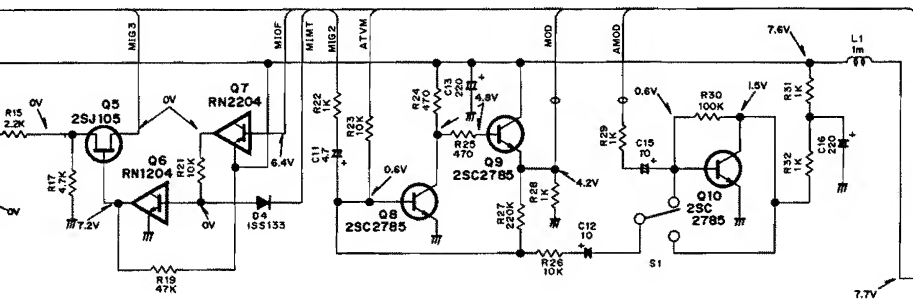
- **CONNECTOR CIRCUIT**



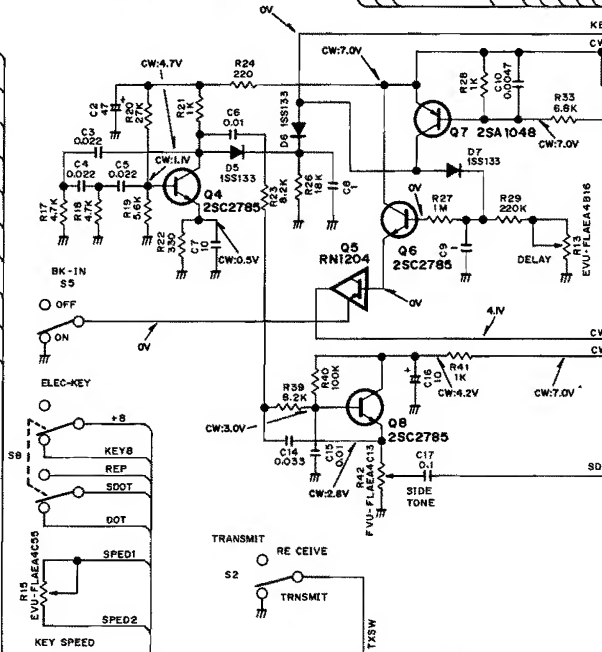
• VR, SW (A), SW (B) AND CTRL, etc. UNITS

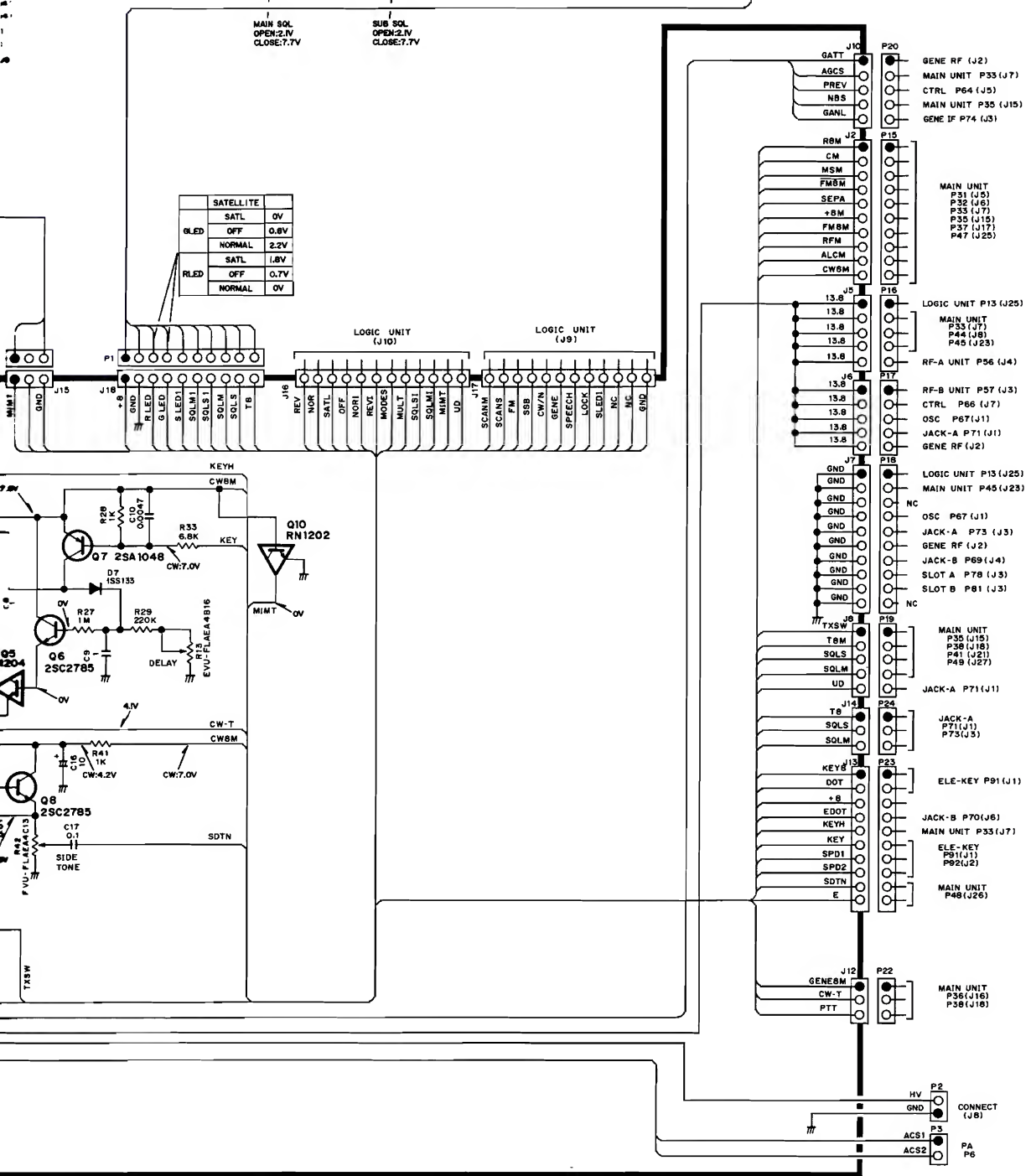
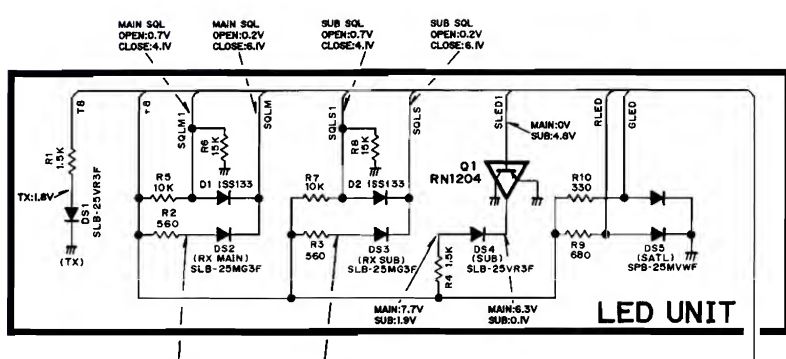


VR UNIT

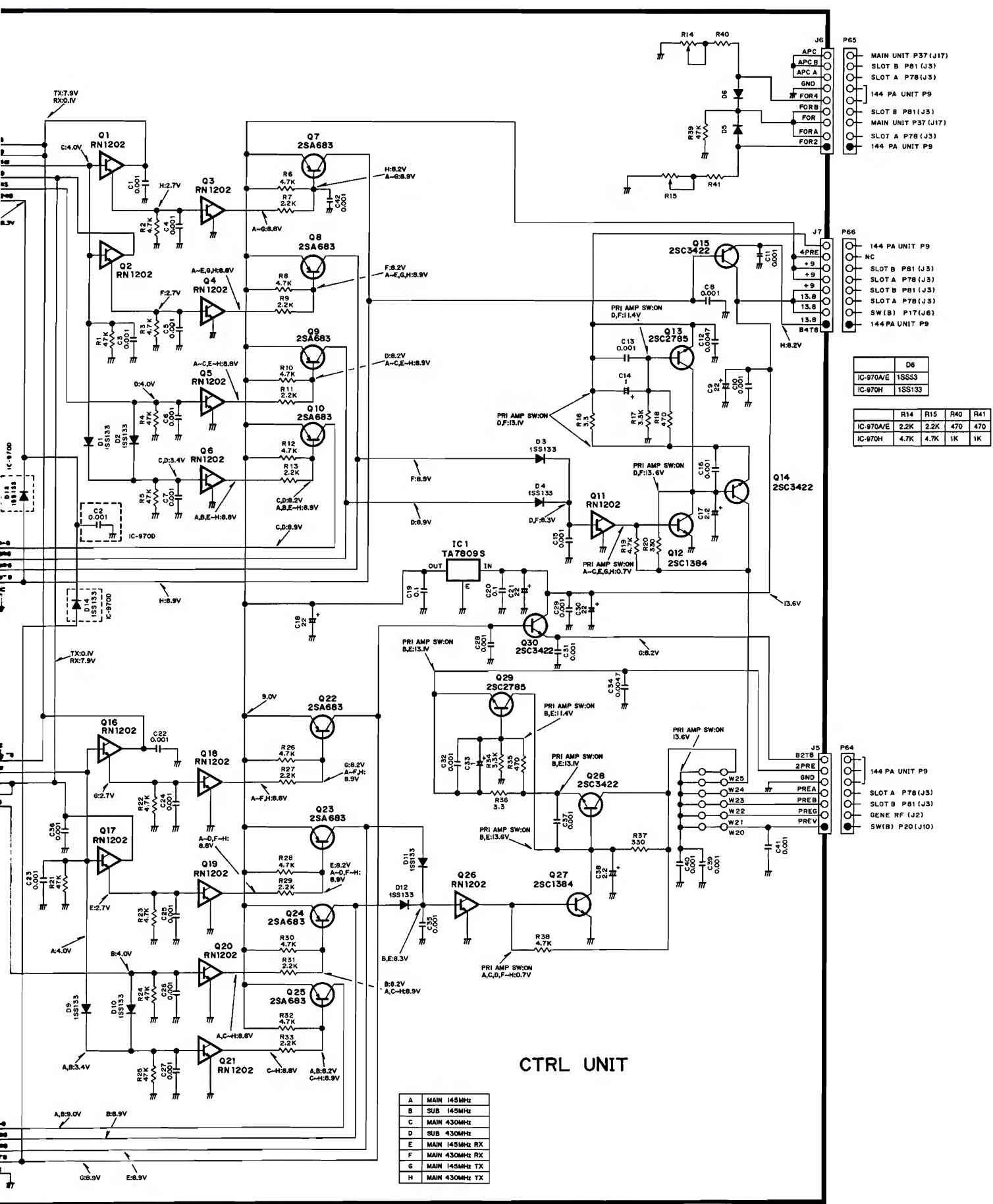


SW(B) UNIT

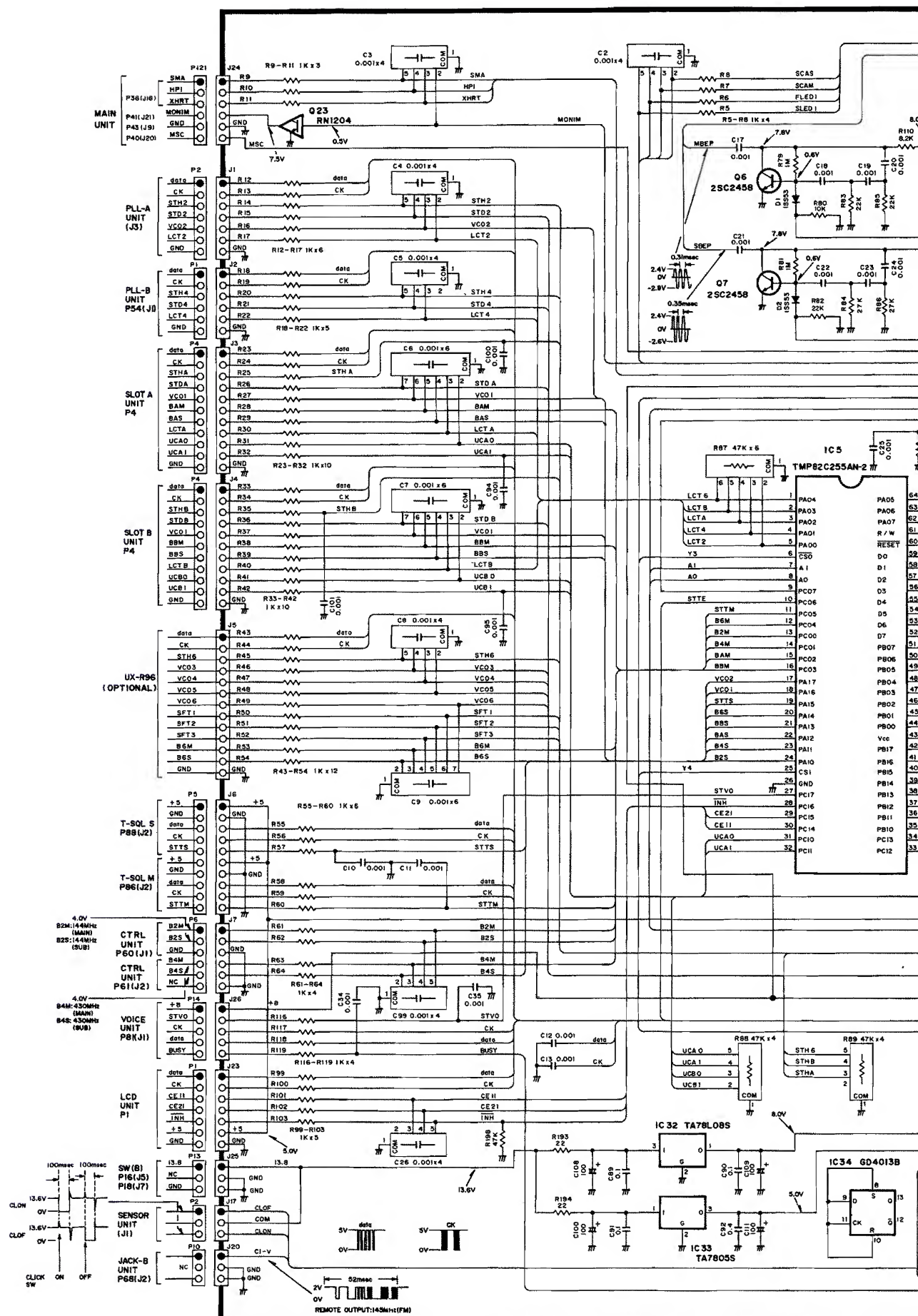




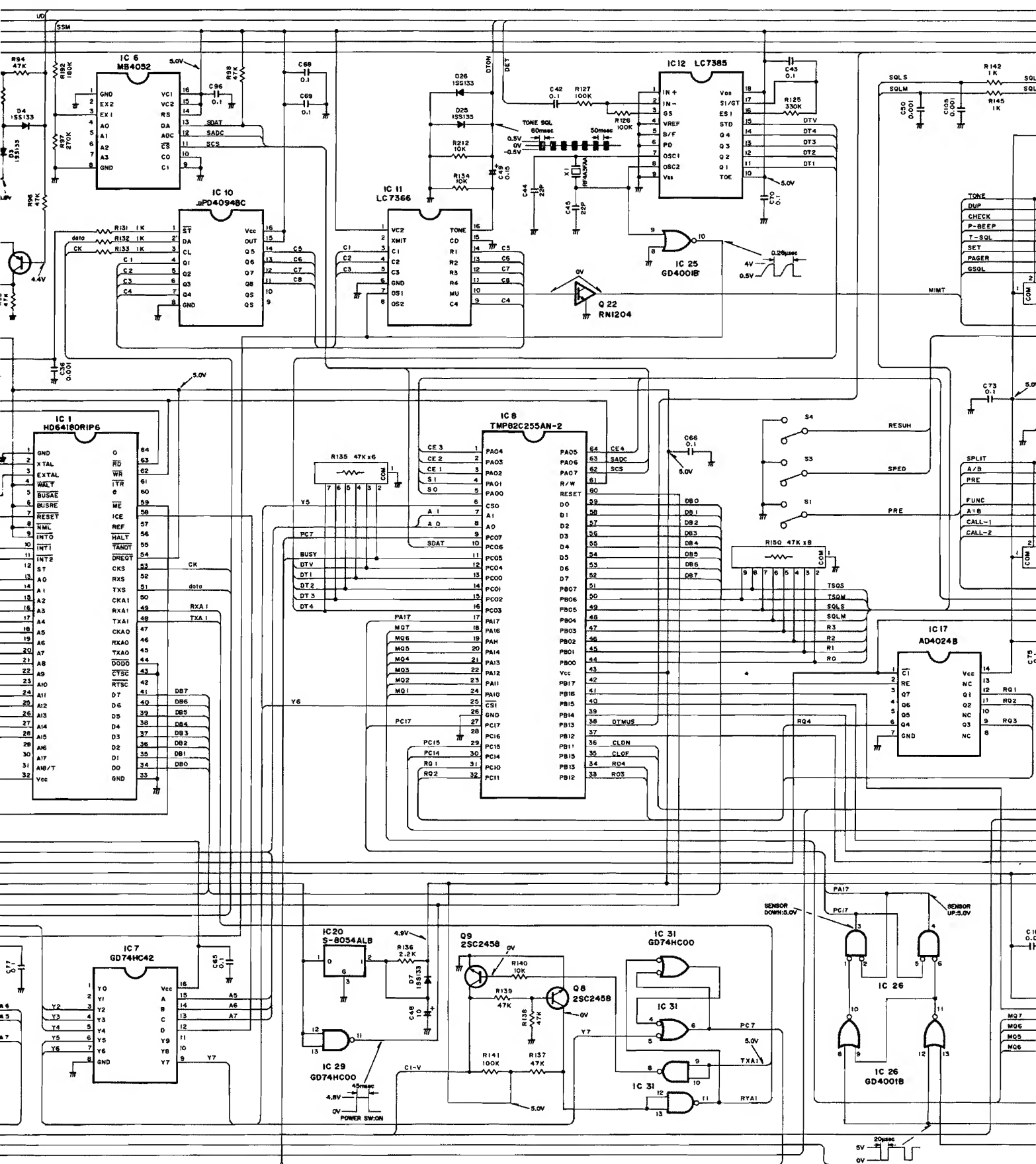
• VR, SW (B), SW (A) AND CTRL, etc. UNIT

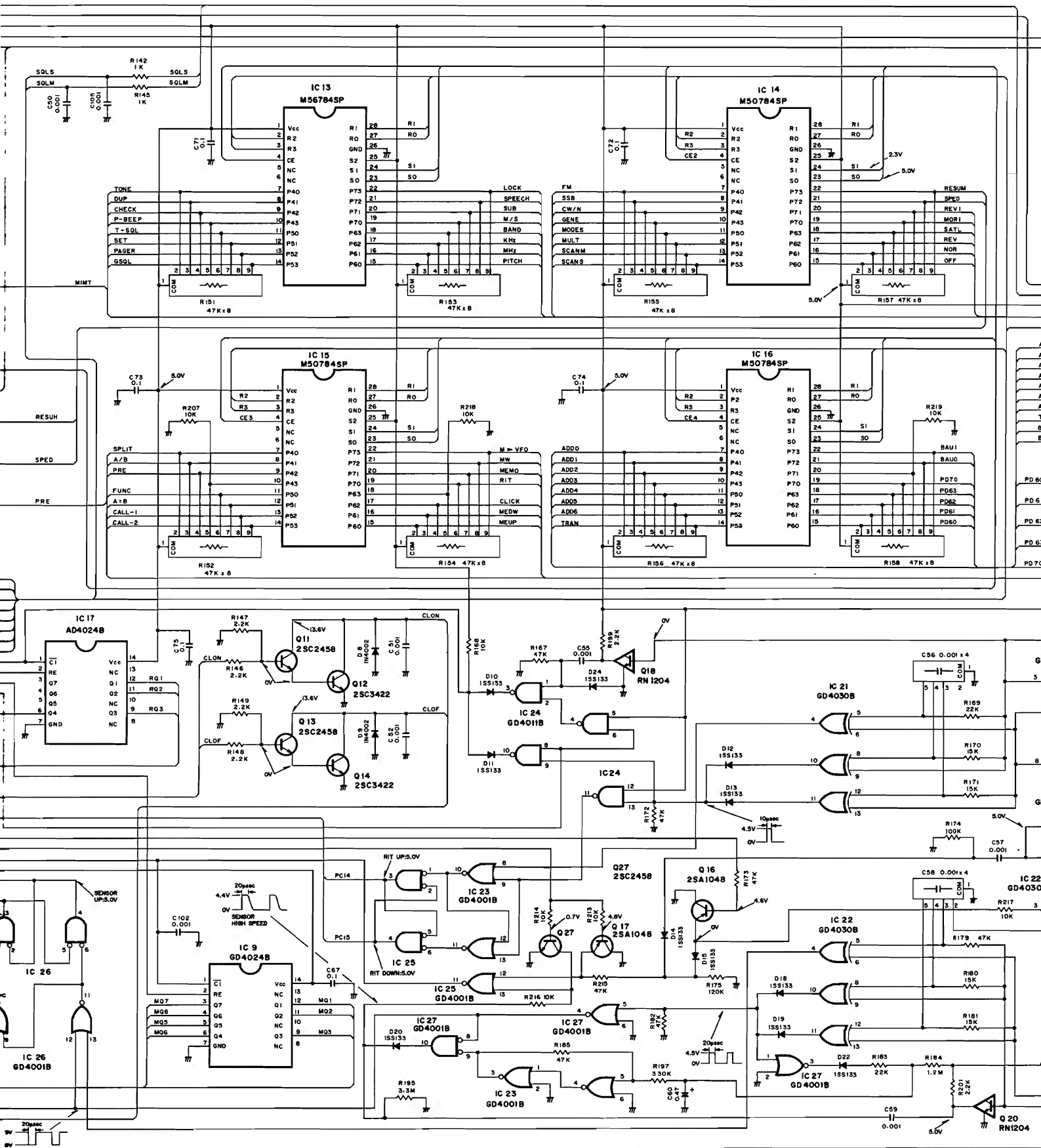


- LOGIC UNIT

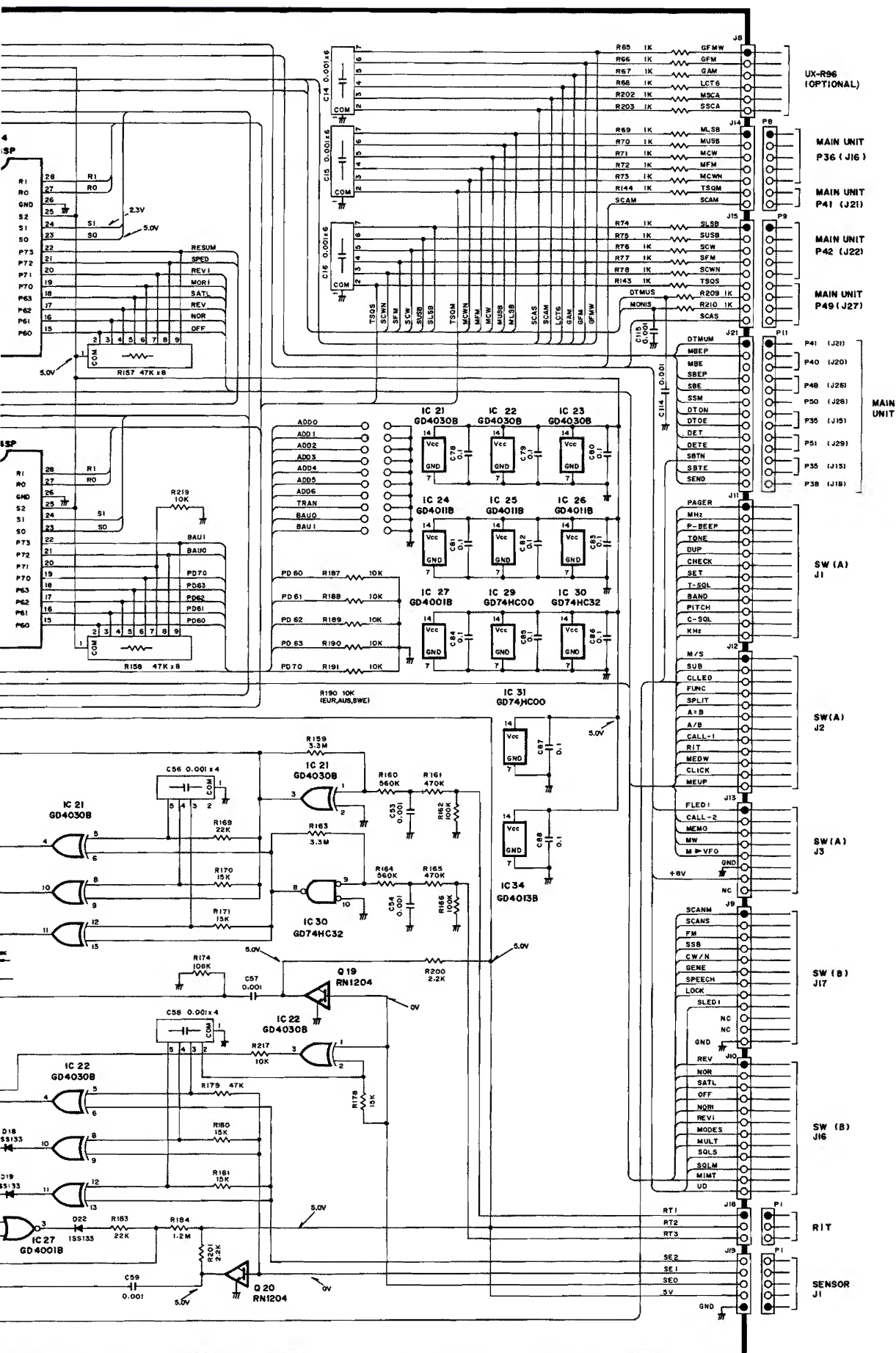


LOGIC UNIT

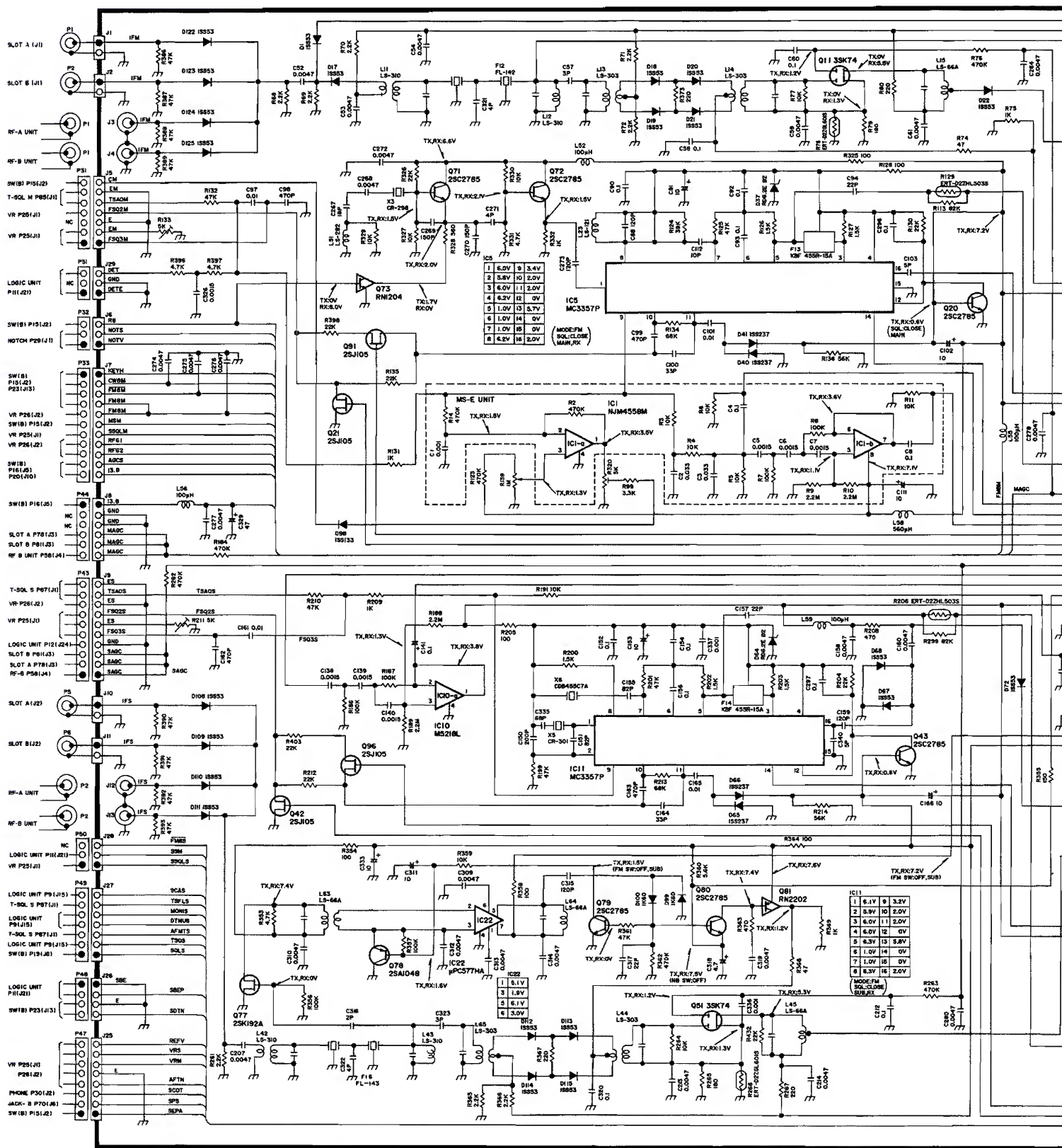


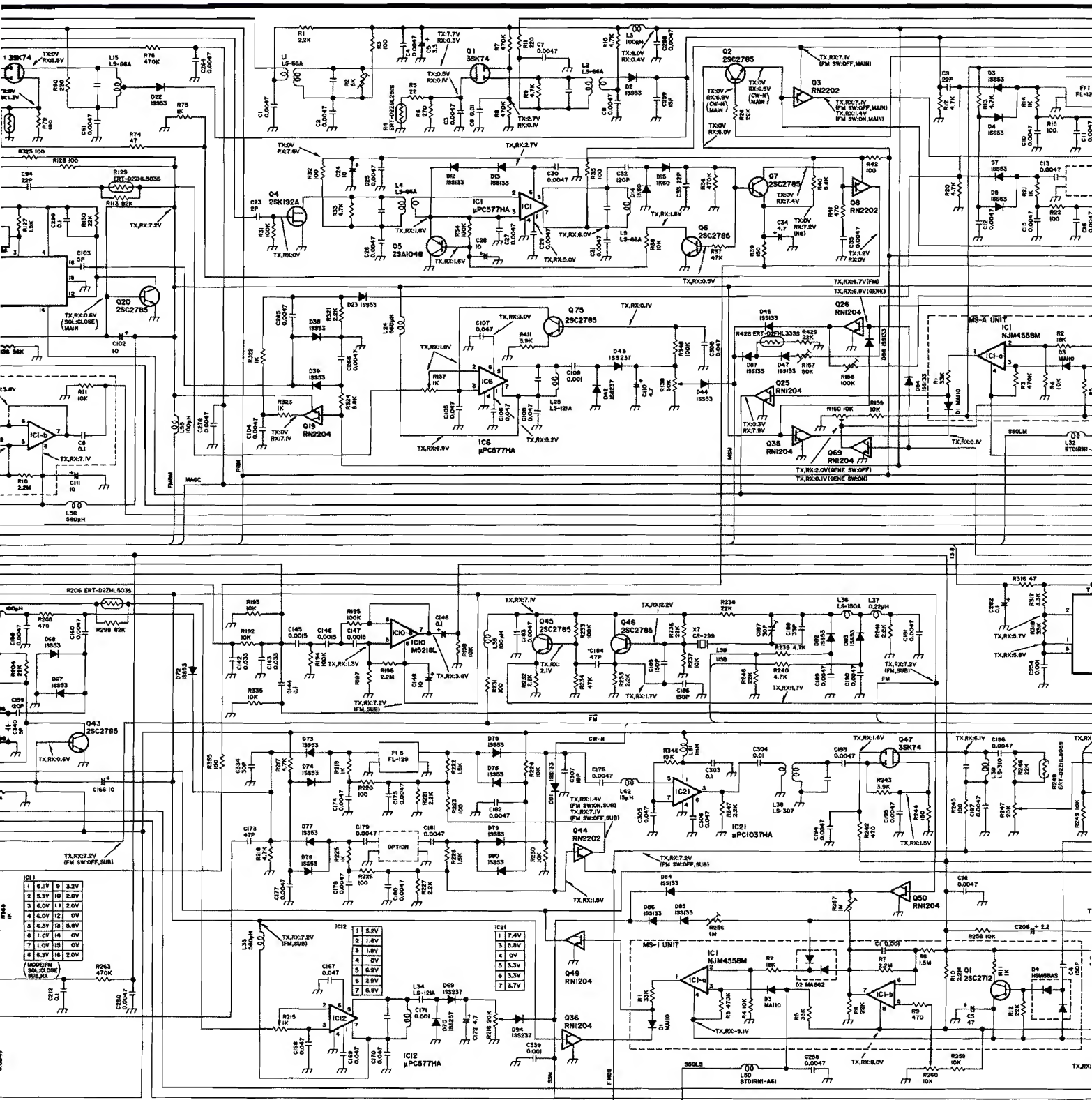


- LOGIC UNIT

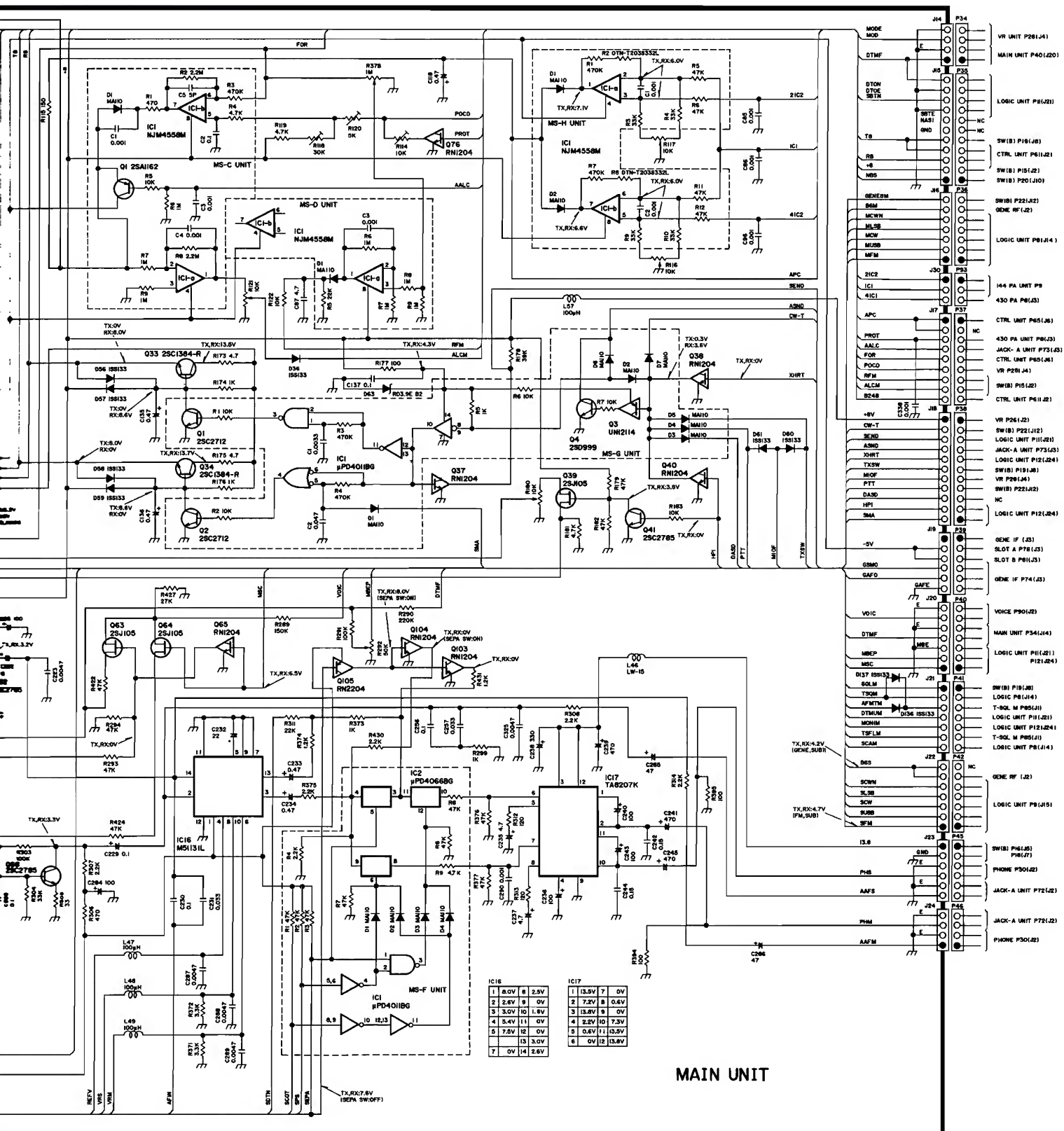


• MAIN UNIT



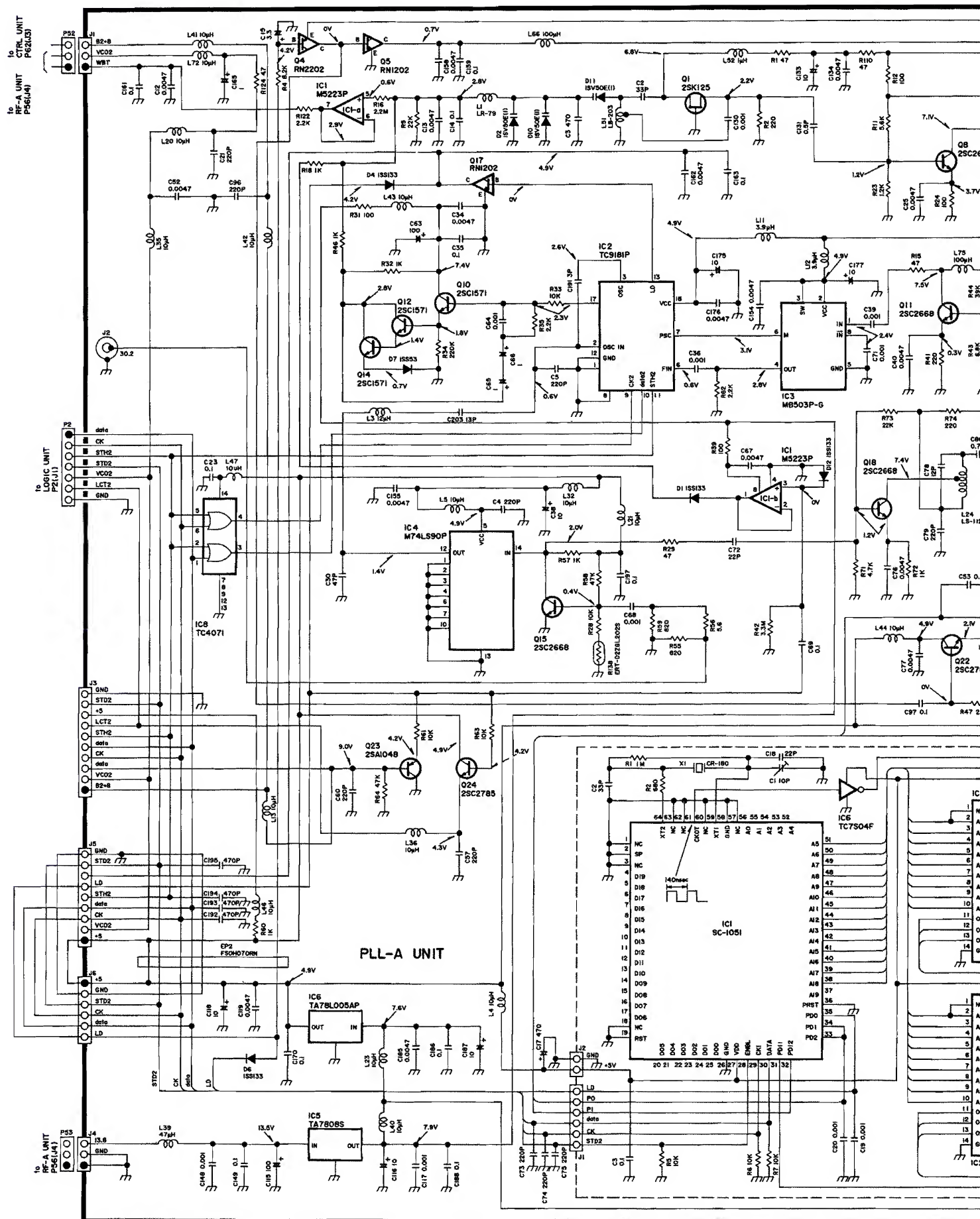


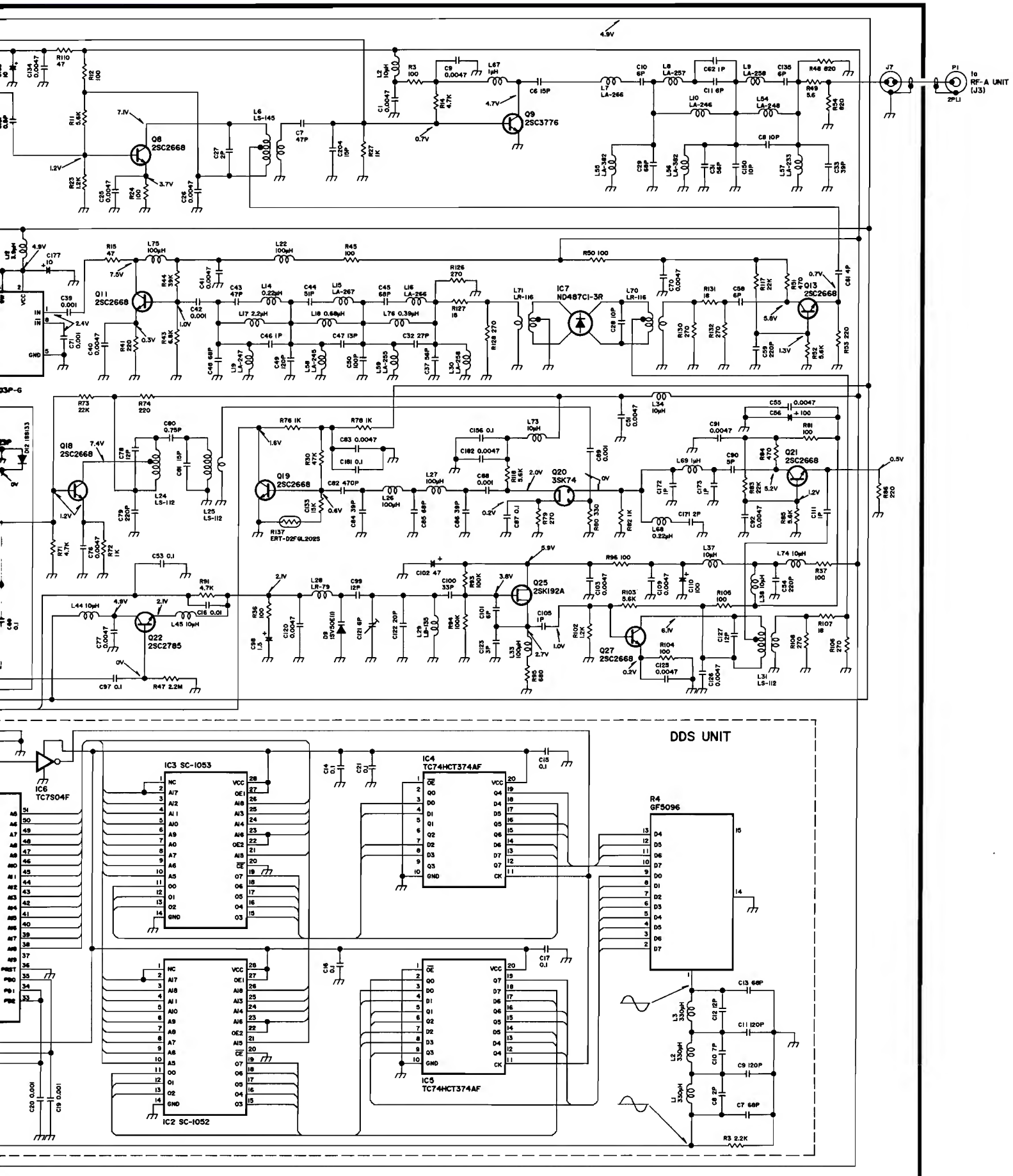
• MAIN UNIT

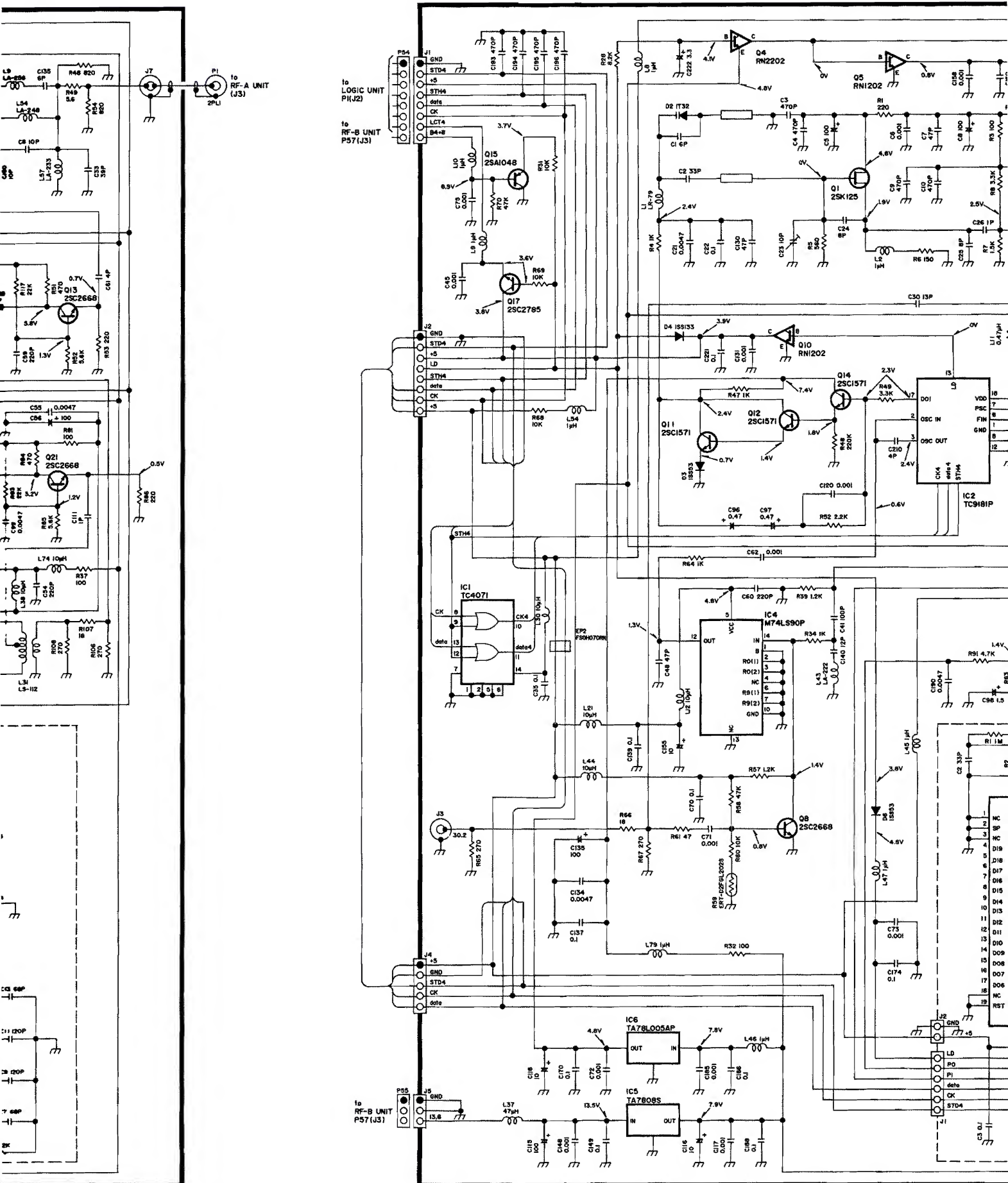


MAIN UNIT

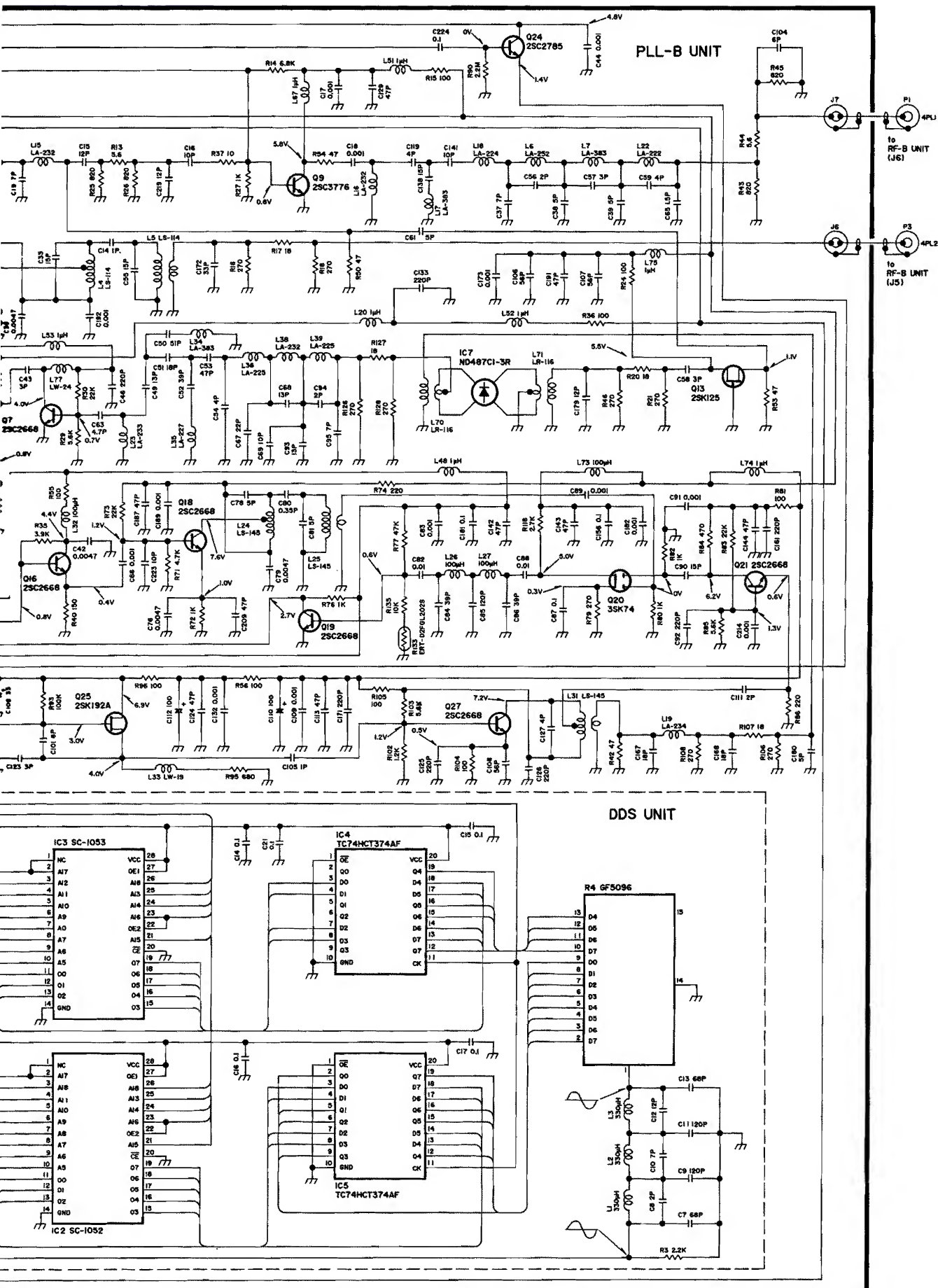
• PLL-A AND PLL-B UNITS



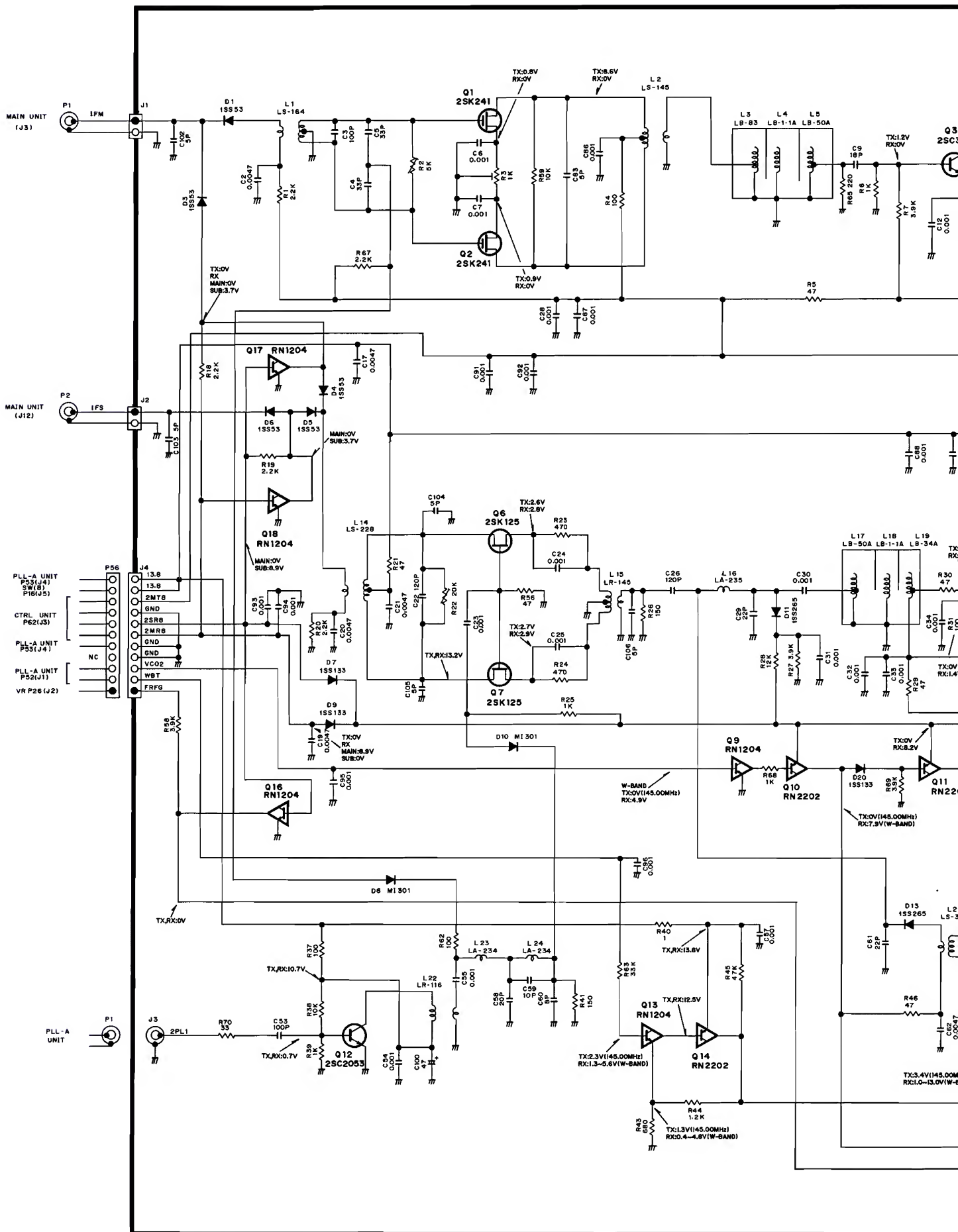




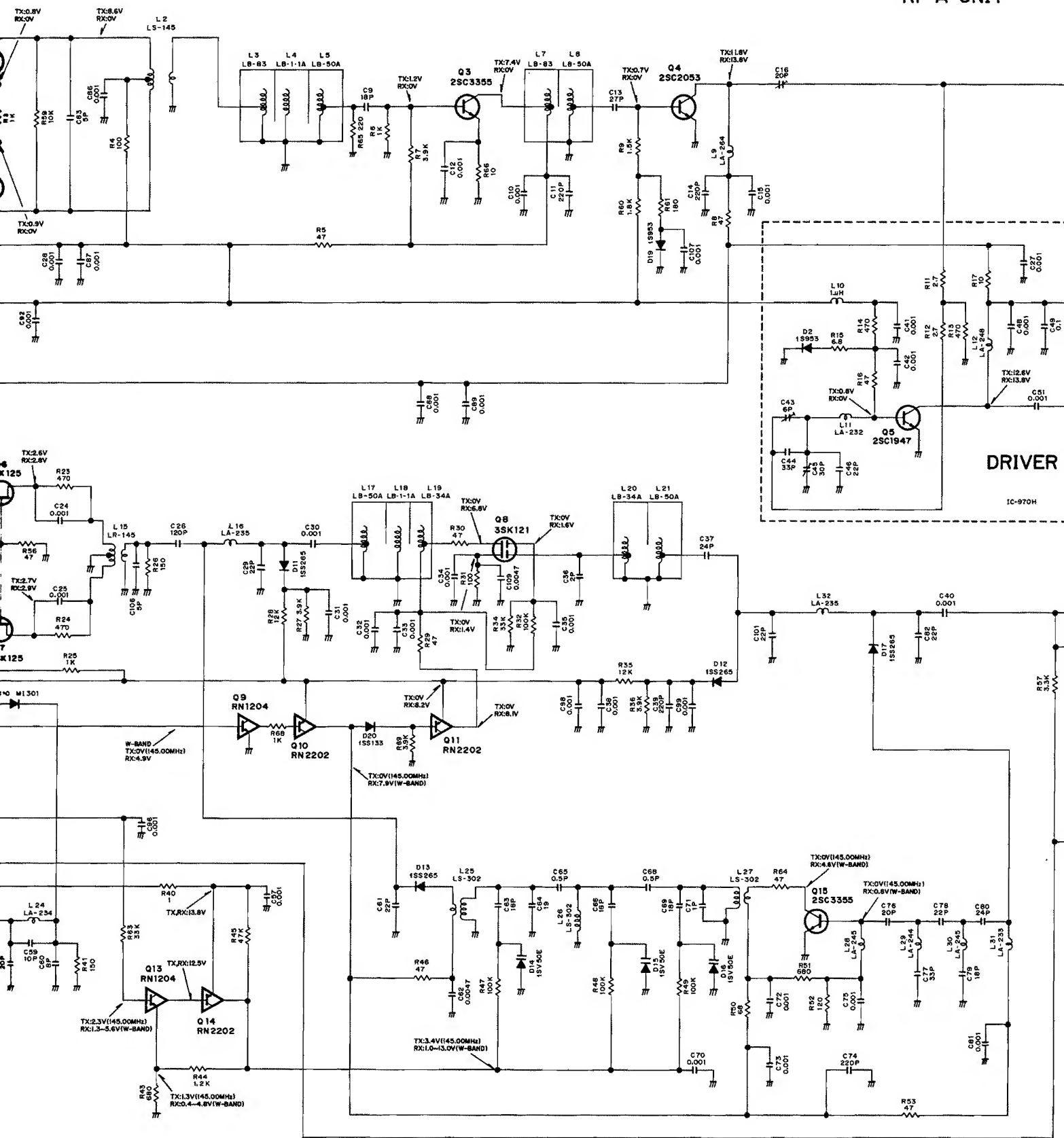
• PLL-A AND PLL-B UNITS

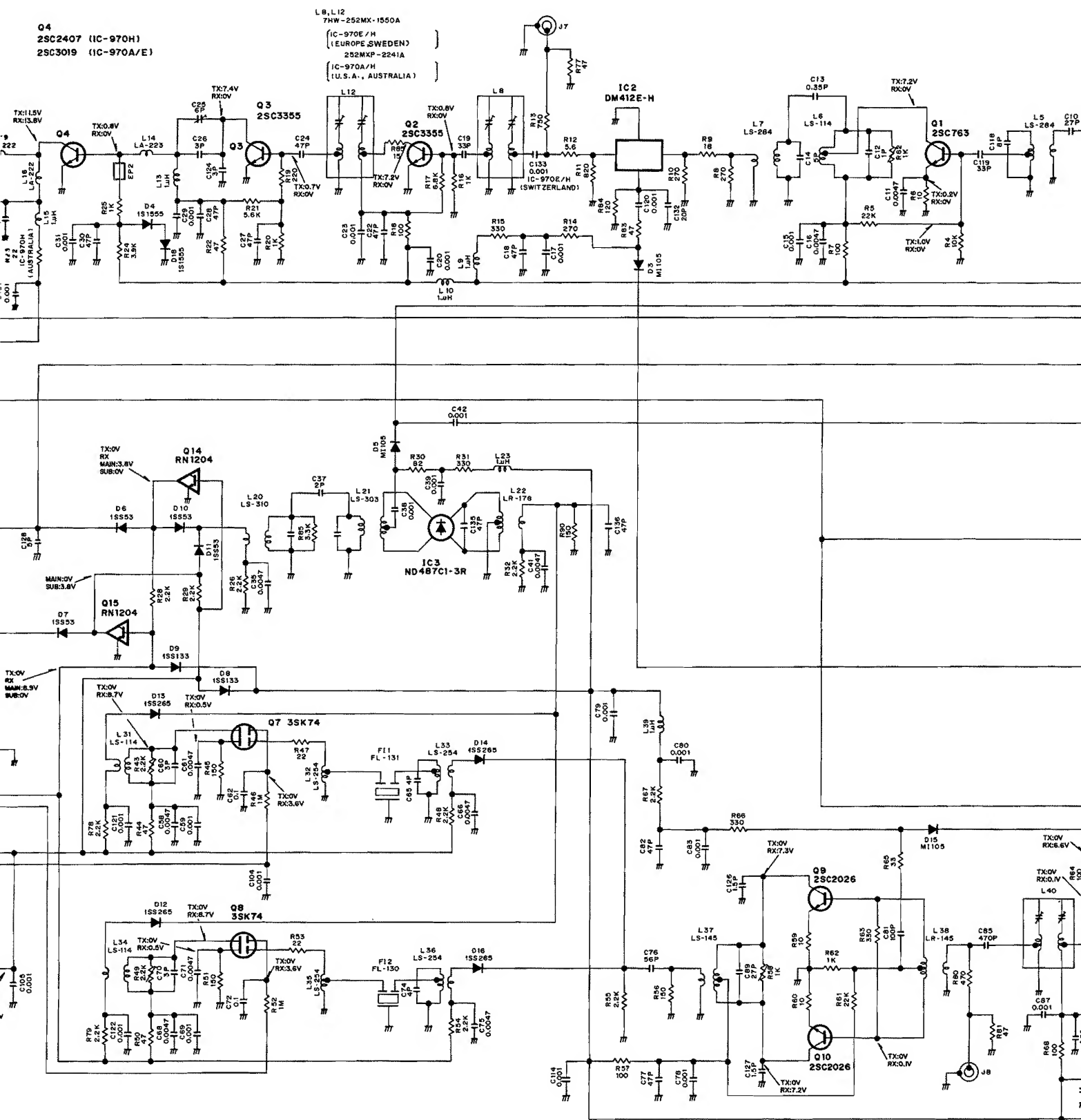


• RF-A AND RF-B UNITS

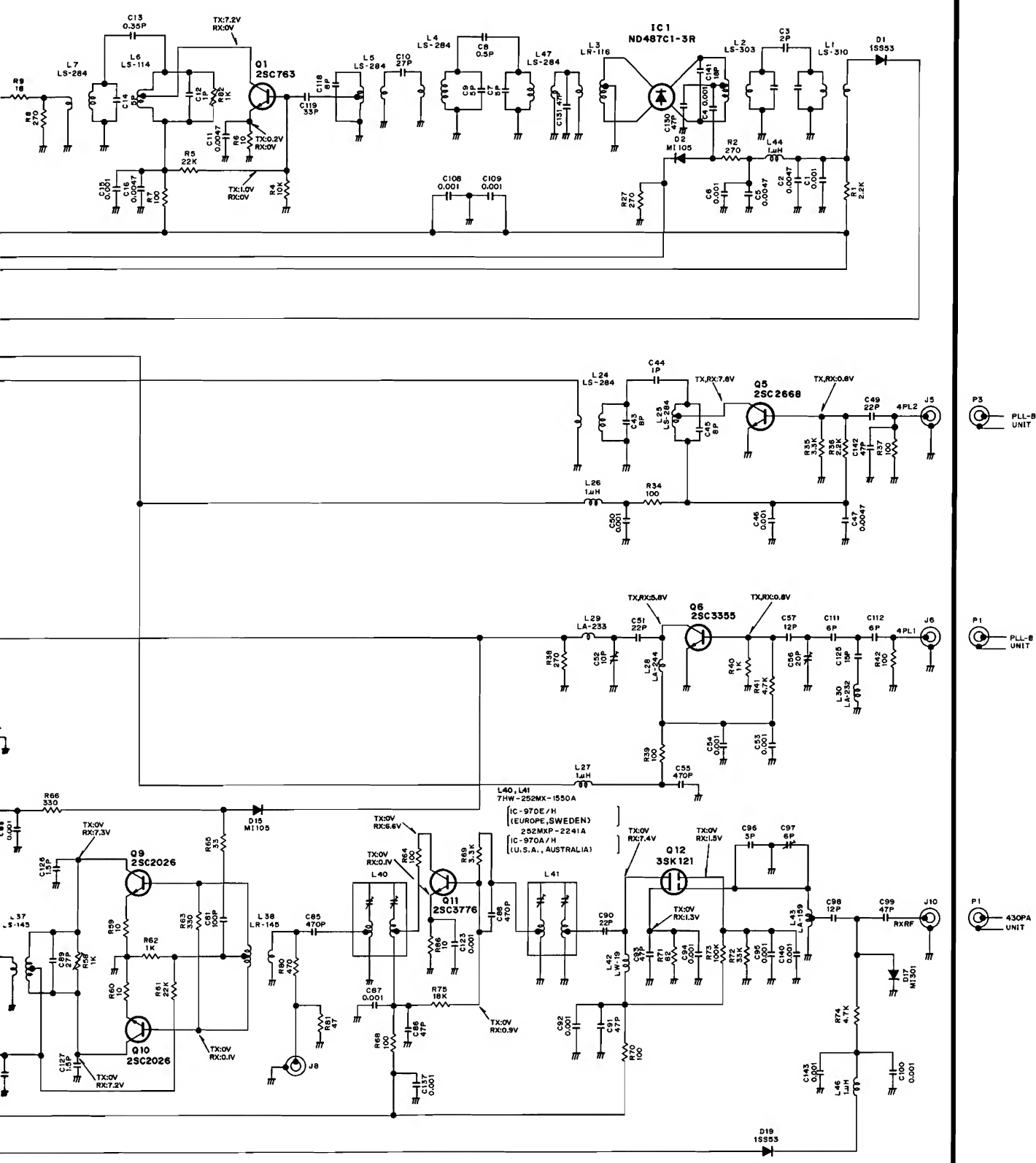


RF-A UNIT

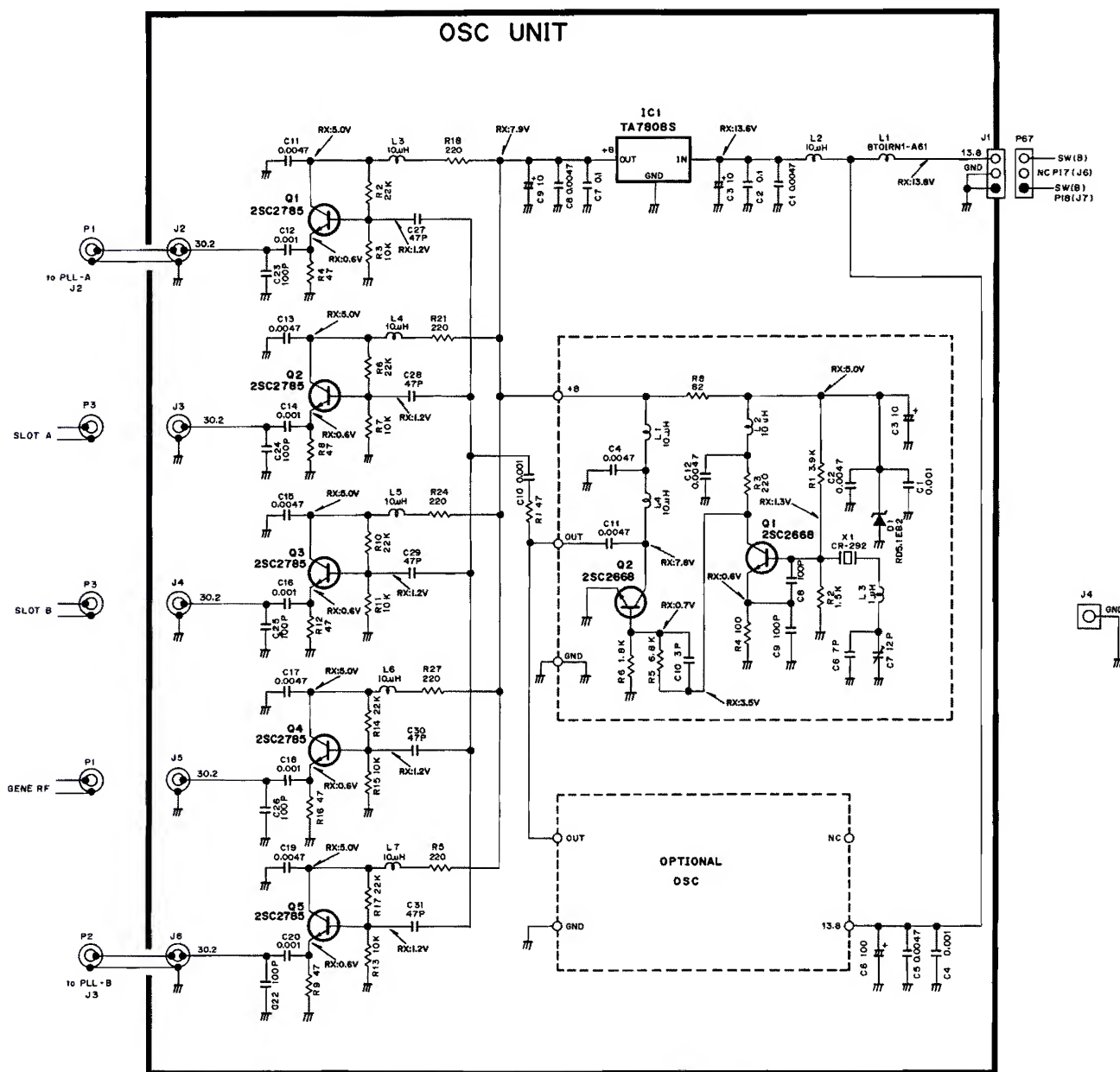




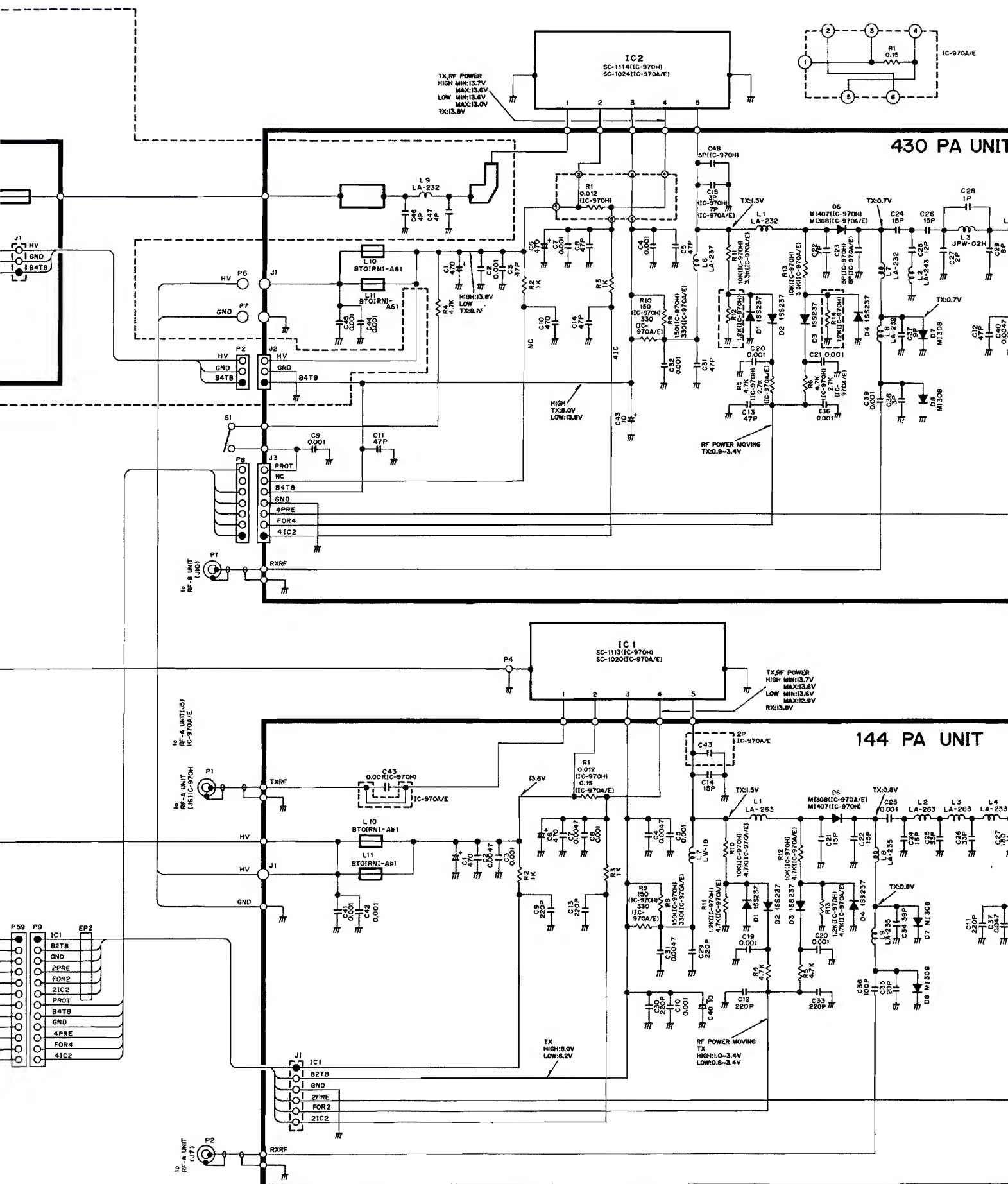
RF-B UNIT



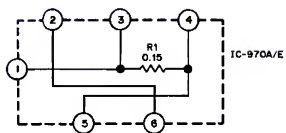
• OSC, 144 PA, 430 PA, JACK-A AND JACK-B UNITS



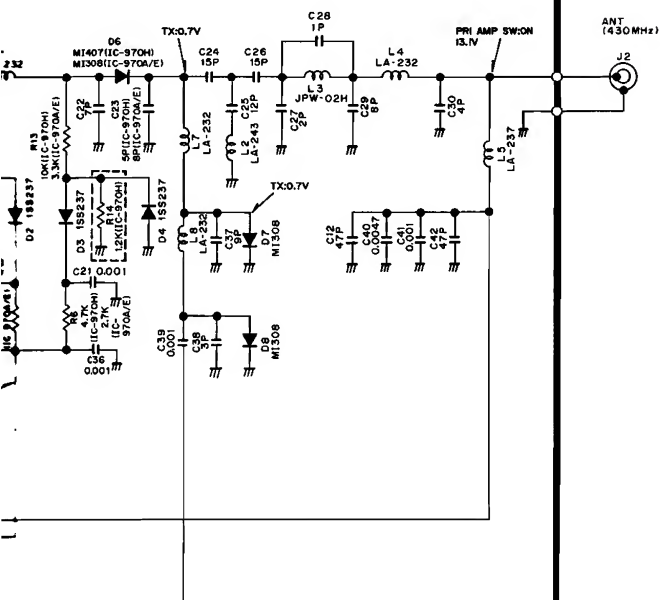




- OSC, 144 PA, 43

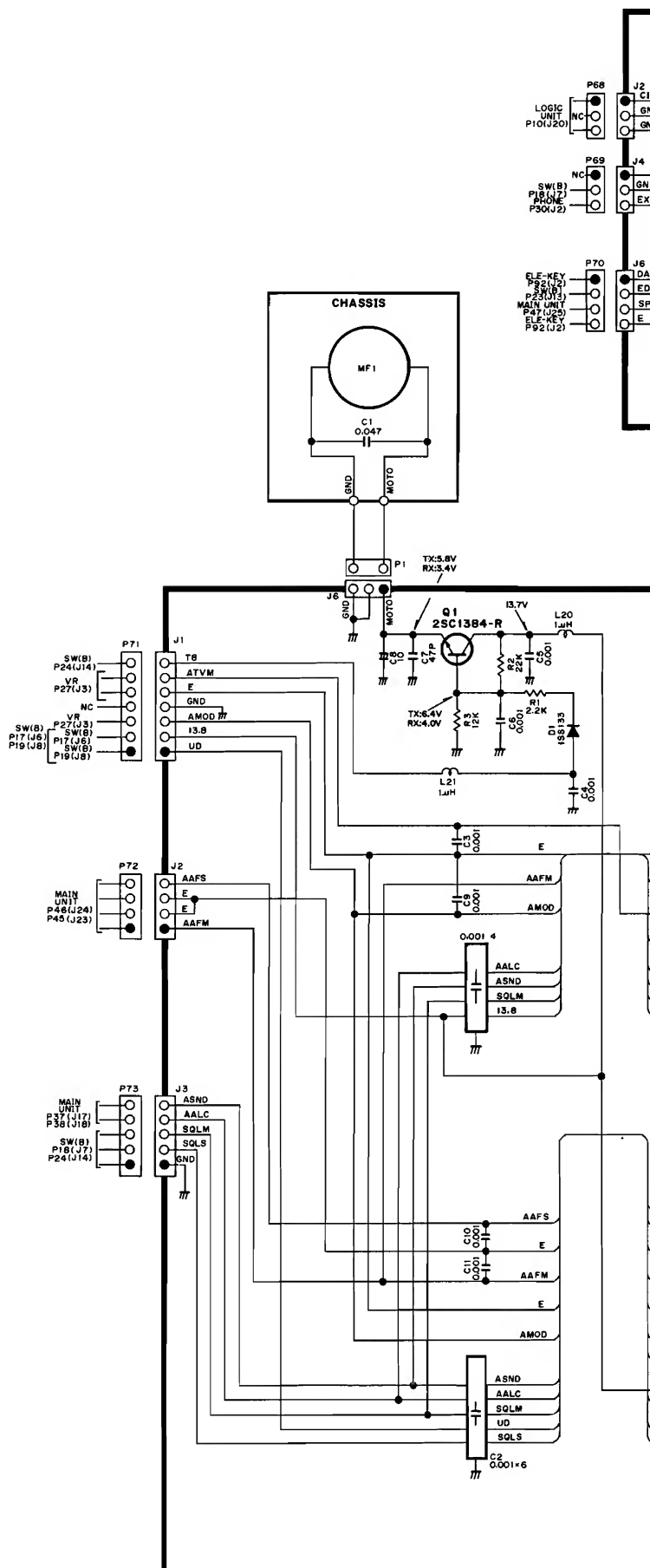
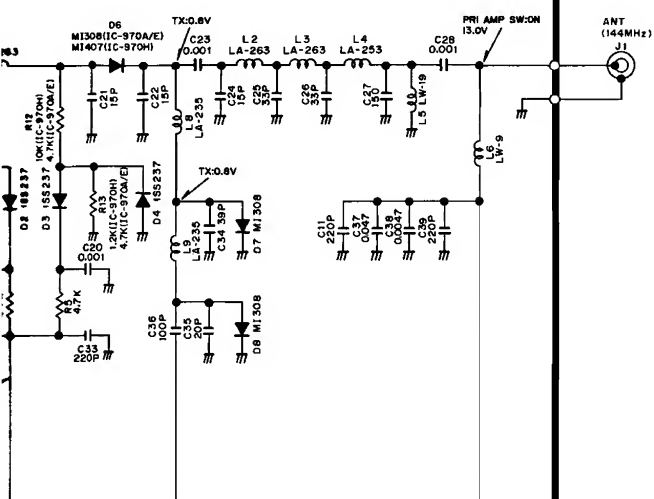


430 PA UNIT

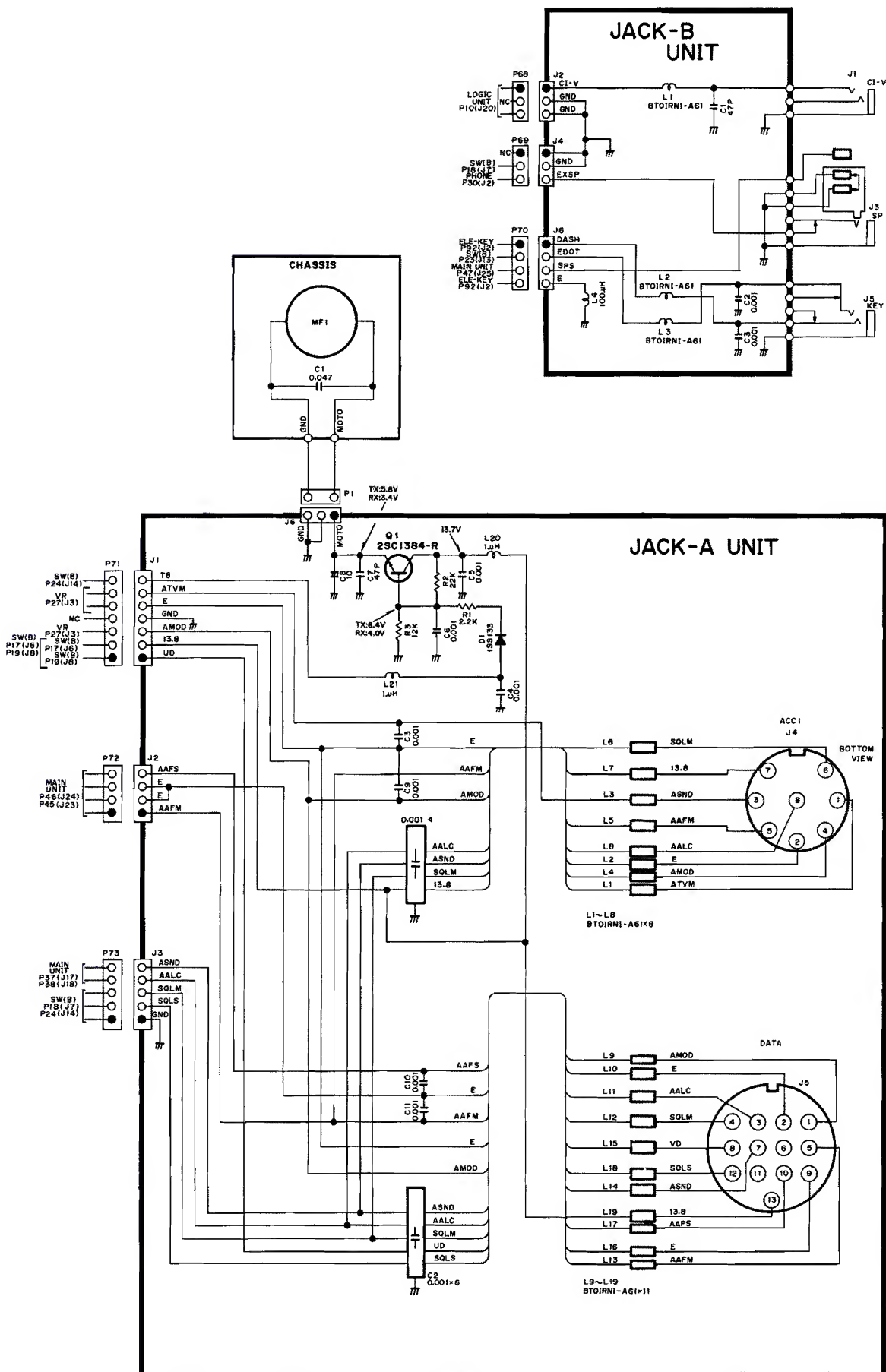


TJUF POWER
MIN:13.7V
MAX:13.6V
MIN:13.6V
MAX:12.9V
MIN:13.6V

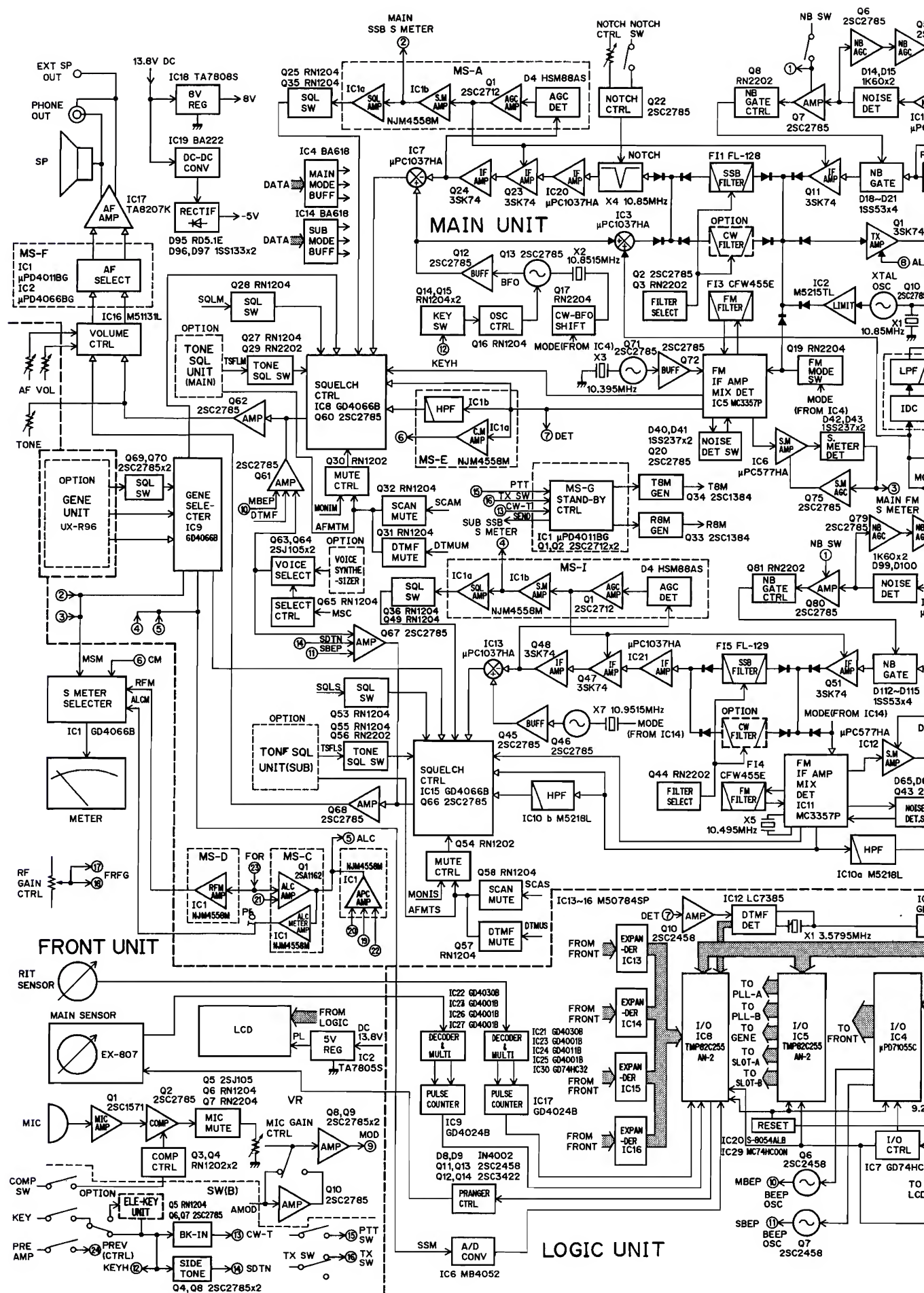
144 PA UNIT

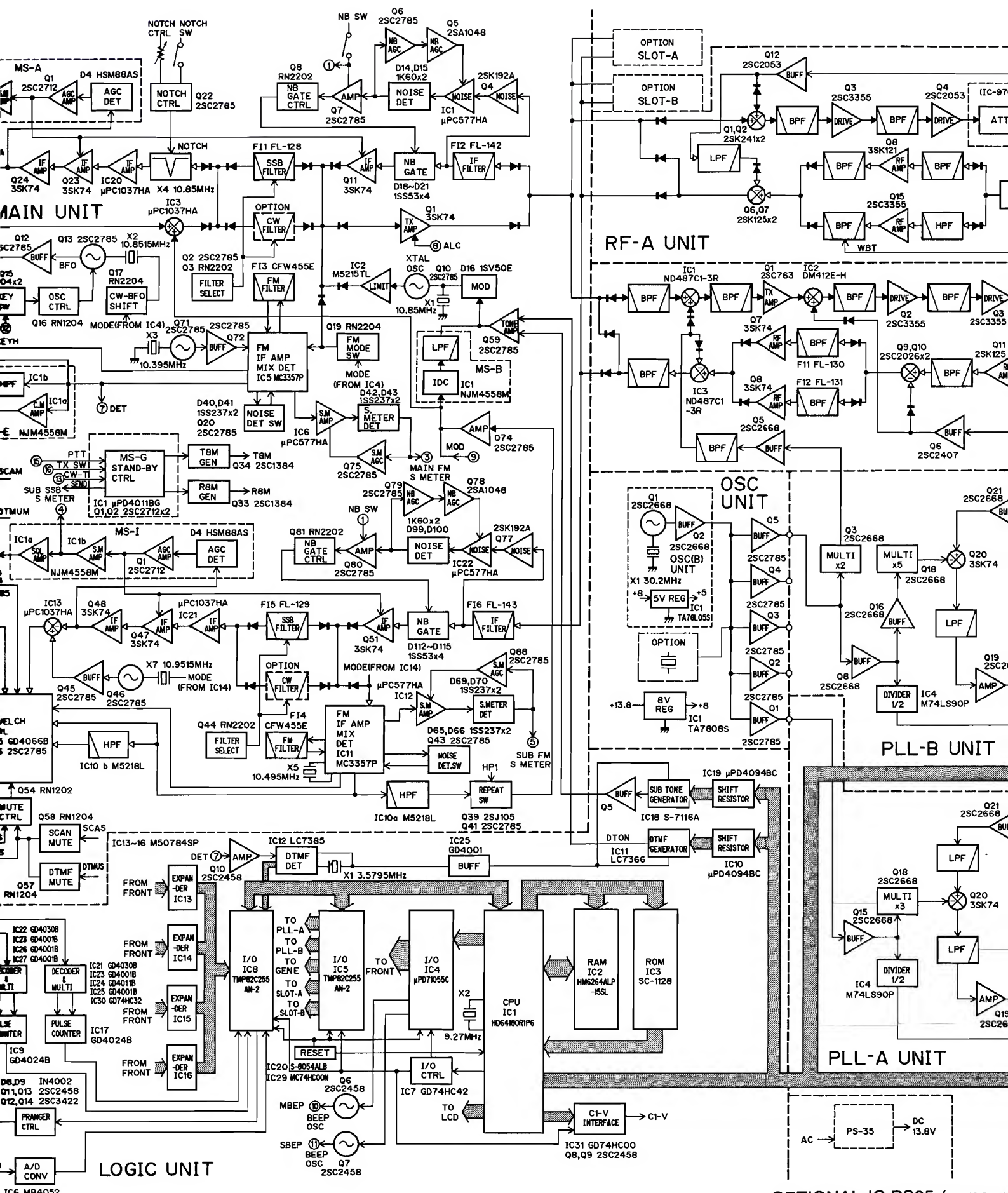


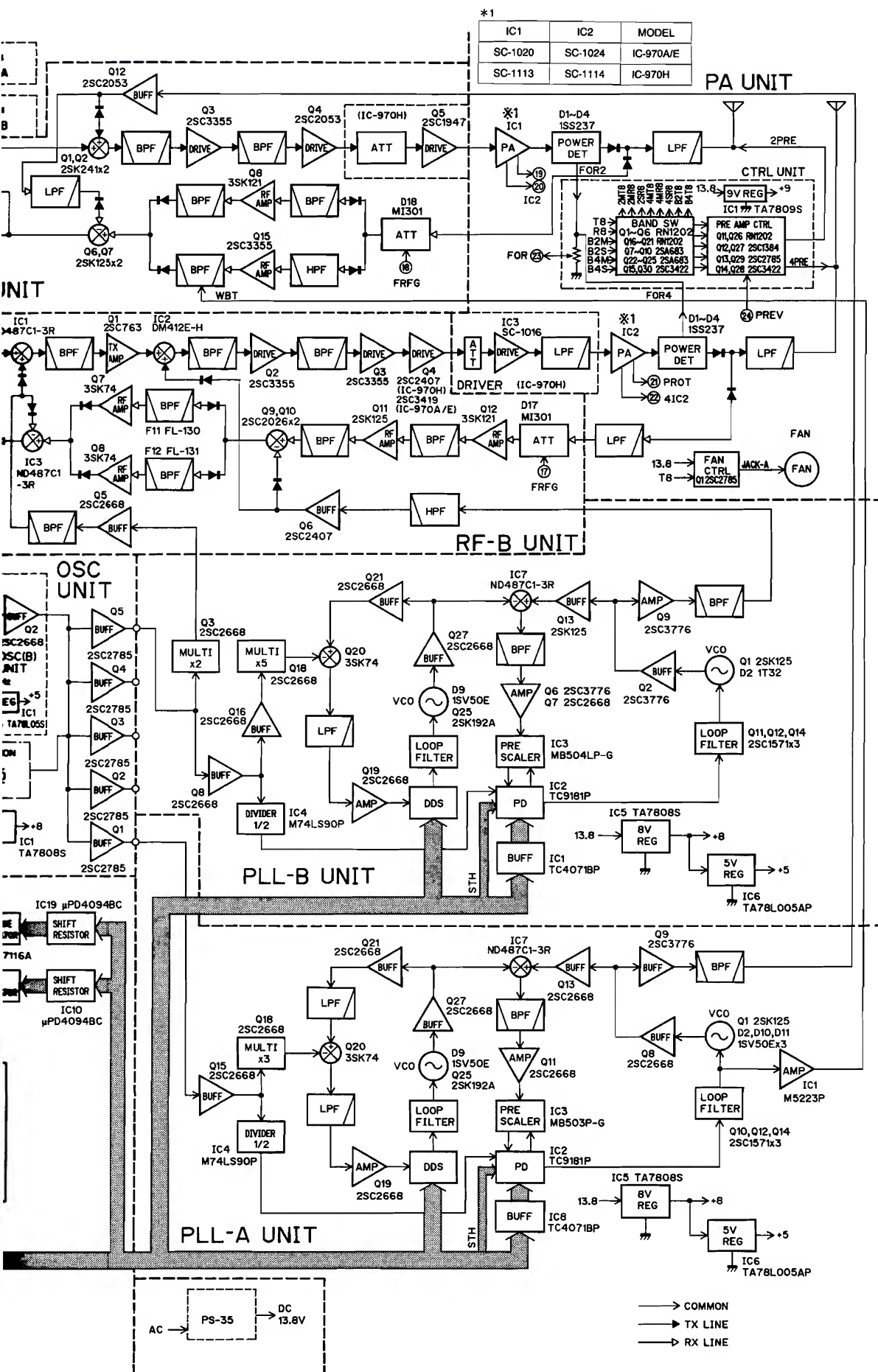
• **OSC, 144 PA, 430 PA, JACK-A AND JACK-B UNITS**



BLOCK DIAGRAM

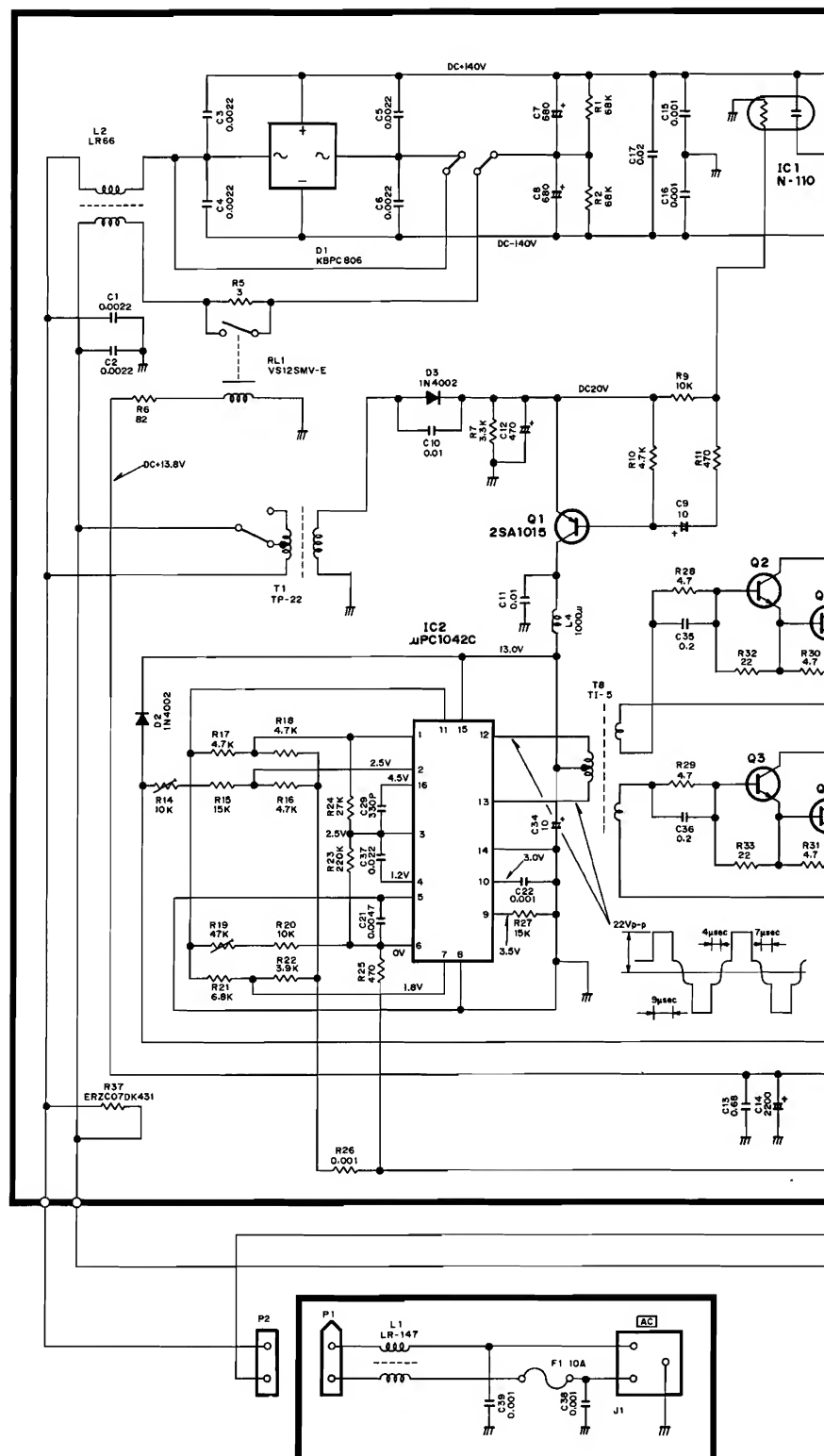


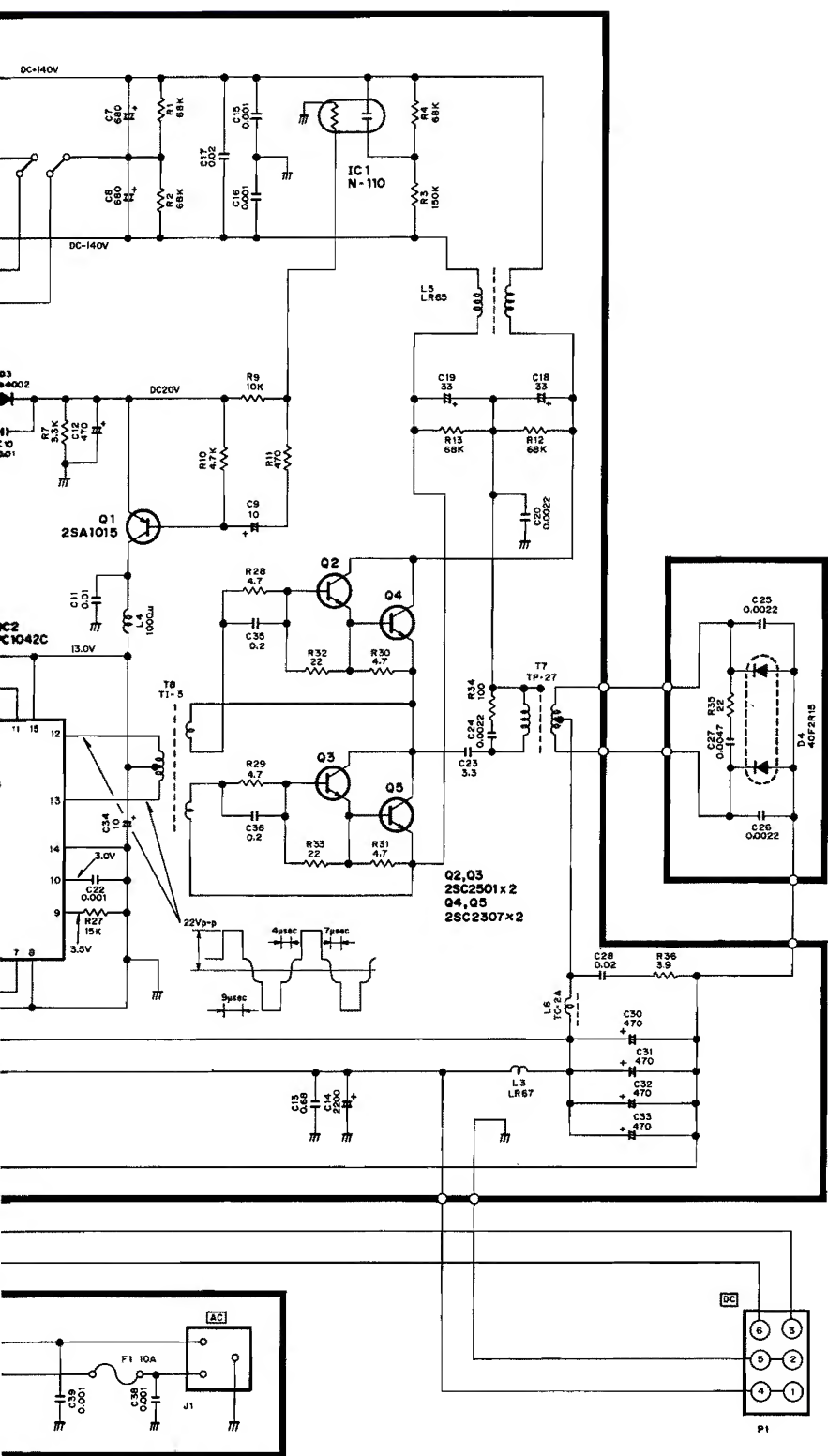




OPTIONAL IC-PS35 (some versions built-in)

• BLOCK DIAGRAM AND IC-P35





Icom Inc.

6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan

Phone: 06 793 5301

Fax : 06 793 0013

Telex : 05277822 ICOMTR J

Icom America Inc.

〈Corporate Headquarters〉

2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.

Phone : (206) 454-8155

Fax : (206) 454-1509

Telex : 152210 ICOM AMER BVUE

〈Customer Service〉

Phone : (206) 454-7619

〈Regional Customer Service Centers〉

3150 Premier Drive, Suite 126, Irving, TX 75063, U.S.A.

Phone : (214) 550-7525

Fax : (214) 550-7423

1777 Phoenix Parkway, Suite 201, Atlanta, GA 30349, U.S.A.

Phone : (404) 991-6166

Fax : (404) 991-6327

Icom Canada

A Division of Icom America Inc.

3071 #5 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada

Phone : (604) 273-7400

Fax : (604) 273-1900

Icom (Europe) GmbH

Communication Equipment

Himmelgeister Str. 100, 4000 Düsseldorf 1, W. Germany

Phone : 0211 346047

Fax : 0211 333639

Telex : 8588082 ICOM D

Icom (Australia) Pty. Ltd.

Incorporated In Victoria

7 Duke Street, Windsor, Victoria, 3181, Australia

Phone : 03 529 7582

Fax : 03 529 8485

Telex : AA 35521 ICOM AS

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.

Phone : 0227 741741

Fax : 0227 360155

Telex : 965179 ICOM G

Icom France S.a

120 Route de Revel, BP4063, 31029 Toulouse Cedex, France

Phone : 61. 20. 31. 49

Fax : 61. 34. 05. 91

Telex : 521515 ICOM FRA

Count on us!

Downloaded by
RadioAmateur.EU